



UNIVERSITY OF ENGINEERING AND MANAGEMENT, KOLKATA

University Area, plot No. III- B/5, Main Arterial Road,
New Town, Action Area III, Kolkata,
North 24 Parganas, Pin- 700160

UNIVERSITY GRANTS COMMISSION PROFORMA AND
APPENDICES for submission of information by State
Private Universities for ascertaining their norms and
standards

VOLUME II
SEPTEMBER 2021

TABLE OF CONTENTS

Volume II

Sl. No.	Appendix No.	Subject of the Appendix	Page No.
1	1.5	Declaration of Trust Deed	1-53
2	1.10	University ACT & Notification	54-75
3	4.3	Details of two batches admitted for the AY2019-20 & 2020-21	76-132
4	4.4	Details of Remedial/Bridge Course Schedules	133-175
5	5.3	MoMs of Governing Board, Academic Council, IQAC & Board of Studies (From 2019 to 2021)	176-466
6	5.9	Details of Malpractice cases reported during last 3 years	467-468
7	5.13	Details of Exam conduction & Result Publication	469-470
8	8.1	Sanctioned and filled up posts	471-473
9	8.6	Advertisement Copies of Recruitment of Faculty Members	474-475
10	12.1	Research profiles	476-493
11	14.1	Course-wise academic results of the past three years	494-497
12	15.4	Special Achievements by the University	498-500

Appendix 1.5

Declaration of Trust Deed

7857/2020

14

784/20



पश्चिम बंगाल पश्चिम बंगाल WEST BENGAL

AD 707945

Dr. 1903-3-1595488/2020

Additional
Assured

30000



Additional Registrar

DECLARATION OF TRUST DEED

THIS DEED OF INDENTURE made This 30th day of December, 2020 **BETWEEN DR. SATYAJIT CHAKRABARTI** aged about 73 years, son of Late Dr. Sudarshan Chakrabarti, by faith- Hindu, by Nationality-Indian, residing at DA-27, Salt Lake, Kolkata - 700 064, West Bengal, India, hereinafter called the "**SETTLOR**" (which expression shall unless excluded by or repugnant to the context be deemed to include his heirs, executors, administrators and representatives) of the **ONE PART.**

নং- ৪৭৭২ তার- 15 DEC 2020
মূল্য-
ফ্রেডার নাম ও সাই...
ইস্যাক ডেডার স্বাক্ষর
বিধান নং-৪ (সেন্ট্রেল সিটি) এ ডি.এস.আর.ও
মোট ইস্যাক জমা তার- ৪.১০.২০২০
চালান নং- ...মোট কত টাকা খরিদ...
ট্রেজারী-বাবাকপুর, ডেডার-মিতা দত্ত

11/12

1 EMT

120. STDF 1308
৪৭২. ১২৪১

26 AUG 2020

998000



Additional Secretary of
Assurance of Kolkata

3 OCT 2020

**2
AND**

(1) **DR. SATYAJIT CHAKRABARTI** aged about 73 years, son of late Dr. Sudarshan Chakrabarti, residing at DA-27, Salt Lake, Kolkata - 700 064
 (2) **SMT. BANANI CHAKRABARTI** aged about 65 years, daughter of Late Birendra Kumar Chakrabarti residing at DA-27 Salt Lake, Kolkata - 700 064, (3) **SMT. SANGHAMITRA CHAKRABARTI** aged about 43 years, wife of Shri Debashis Majumdar residing at FD 423/3A, Sector III, Salt Lake, Kolkata - 700 106, (4) **SHRI SATYAJIT CHAKRABARTI** aged about 41 years, son of Dr. Satyajit Chakrabarti residing at DA-27, Salt Lake, Kolkata - 700 064 (5) **SHRI KISHORE CHANDRA DAS** aged about 66 years, son of Late Narayan Chandra Das residing at Villegge- Baburigaon, P.O-Narayanpur, Dhamannagar, Bhadrak, Orissa-756116, hereinafter jointly referred to as "**THE TRUSTEES**" (which expression shall unless excluded by or repugnant to the subject and context be deemed to include the Trustee or Trustees for the time being of the these presents and/or survivor or Survivors of any of them and their successor or successors in office) of the **OTHER PART**.

WHEREAS the aforesaid **SETTLER/FOUNDER** created a Trust under the name of style of "**INSTITUTE OF ENGINEERING & MANAGEMENT TRUST,**" A non-profitable noncommercial PUBLIC CHARITABLE PURPOSE ONLY. The Deed of Trust was executed by the aforesaid **SETTLOR** on 10-07-1997 in Book-IV, Volume number 2, Pages from 87 to 92 being No. IV-66 for the year 1997 in the office of the Additional District Sub-Registrar, Bidhannagar (Salt Lake), (hereinafter called the Principal Trust Deed).

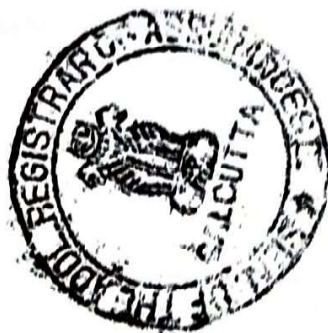
AND WHEREAS under clause no.2 of the said Principal Deed of Trust for amendment or change of any clause of the said Trust Deed the Managing Trustee prepared a proposal and got it accepted by the Board of Trustee vide resolution dated 24.12.2020

AND WHEREAS

1. That it has become expedient to include same paragraph with the existing paragraph in the original Trust Deed which are as under:-

Objects: The Principal object of the Trust is to run non-profitable educational Institute and Universities and carry on cultural and charitable activities conducive to the secular character of the Indian Nation and to the advancement of education, national integrity, patriotism and discipline. For the purpose of or towards achieving the above principal object, the Trust shall have the following particular objects:

- a) To run suitably and competently the self financed Institute of Engineering & Management College, Trust will get the courses of the Institute affiliated by Indian Universities as the case may comply necessary rules and regulations.
- b) To run self financed full-fledged Universities in due course of time complying with rules and regulations of the Government and other appropriate authorities.
- c) To advance the education and training in India or abroad as permissible under the National Policy and Income Tax laws in





30 DEC 2020



India by establishing and running one or more Schools/ Colleges/Universities and any other Educational Institutions in the name of Institute of Engineering & Management or any other name in India.

- d) To establish, support, maintain and/or grant aid or other assistance financial or otherwise to schools, colleges, vidyapiths, libraries, reading rooms, lecture halls and other establishments and institutions for the improvement of education and diffusion of knowledge in art, humanities, science, commerce, agriculture and any other objects of similar nature pertaining to education.
- e) To grant scholarships, stipends, prizes, rewards, allowances and supply of books, food, clothing to deserving students to enable them to receive such education, training and qualification as the Trustees may approve including professional, occupational, vocational, commercial, technical, scientific, physical, sociological, journalistic, literature, music and all fine arts.
- f) To establish, support and/or maintain hostels and/or boarding houses for students and provide for boarding and lodging to students studying in any schools, colleges vidyapiths and other educational institutions or receiving education and training either scholastic or otherwise;
- g) To establish and support professorship, fellowship, lectureships, scholarships and prize schemes for awarding prizes in any schools, colleges, vidyapiths and/or other educational institutions;
- h) To establish, support, maintain and/or grant and/or other assistance financial or otherwise to hospitals, nursing homes, institutions, convalescence homes, maternity homes, clinic, dispensaries, sanitarium and/or any other establishments for medical relief;
- i) To establish, support and/or maintain dispensaries and institutions for treatment of persons suffering from any disease and/or physical or mental disability and/or affected by accidents and require such accommodation, care, nursing and attention as may be necessary for their proper treatment.
- j) To grant medical help to the poor and deserving persons regardless to caste, creed, race or community during epidemics, famine, flood, fire, earthquakes or any other natural calamity;
- k) To promote physical culture and education and to assist and promote sports and games and generally to do all acts for the improvement of national health and physical development.
- l) To grant relief as a consequence or in the course of epidemics, famine flood, fire, earthquakes or other calamities and grant donations, subscriptions, contributions or other assistance, financial or persons engaged in relief work on such occupations;



[Handwritten signature]

SEP 10 1901

- m)** To establish, support, maintain, and/or grant all or other assistance financial or otherwise to orphans, asylums, institutions or other establishments for relief and /or to give help to poor, destitute people, orphans and widows;
- n)** To establish and maintain and to grant aid to centers for advancement and diffusion of Indian Arts, culture and cultural activities.
- o)** To establish and maintain Hospitals and Medical colleges to conduct Medical, Paramedical, Nursing, Dental, Pharmacy and allied courses.
- p)** To establish and maintain Hotel Management Courses with habitat and eateries for practical training;
- q)** To establish and maintain legal courses and practical training facilities;
- r)** To take rental and lease building and land wherever required for the furtherance of the object of the trust;
- s)** To conduct research and development activities, make publish books and digital contents and create infrastructure wherever applicable for furtherance of the object of the trust;
- t)** To grant relief in any form to persons mentally or physically challenged, regardless of caste, creed, race or community;
- u)** To establish, support, maintain and/or grant aid or other assistance financial or otherwise to museums, sanatoria, dharmasala and/or gardens for public benefits and/or other means of public recreation;
- v)** To provide for on arrange relief to animals, birds and all sentient beings and to establish, support, maintain and /or grant aid and/or other assistance to any centres for feeding and/or sentient beings;
- w)** To establish chawls, dwelling units buildings or other means of housing for poor;
- x)** To subscribe, contribute and/or donate to any public fund institutions devoted to public charitable objects not inconsistent with the objects and purposes to these presents;
- y)**
 - a) To grant relief by means of pecuniary or other help in any shape of monthly or other periodic allowances or otherwise to persons who are destitute or in reduced or strained circumstances or otherwise unable to maintain themselves or may be deserving of support.
 - b) To give relief, including by way of donations, subscriptions and/or other assistances financial or otherwise to charitable institutions or institutions having objects such as alleviation of human sufferings or the care, maintenance or protections of the old, infirm, blind, maimed, lame or laprous or otherwise diseased



[Handwritten signature]

7074-1

persons or having any other object of a public charitable nature not inconsistent with the objects and purpose of these present;

- c) To assist and encourage in like manner the poor in matter of education or in the promotion of or acquisition by them of knowledge of any science or arts or of mechanical or industrial arts or in receiving technical education or in assisting them up in any vocation or calling so as to enable them to earn their livelihood.
- d) To promote and improve agriculture and horticulture in India in all its branches.
- e) To conduct research in both the basic and applied branches of science particularly in relation to agriculture, horticulture and various plantation, archaeological upkeep, pollution control and other allied subjects.
- f) To prepare and implement scheme and/or grant help and/or other assistance in upliftment of villages and/or backward areas.
- z)**
 - a) To promote and/or set up separate charitable institutions or trusts for providing medical relief in India by establishing, running and maintain hospitals and any medical centre for philanthropic purposes and not for purpose of profit.
 - b) To promote and/or set up separate charitable institutions or trusts for imparting education in India by establishing, running and maintaining any University or other education institutions existing solely for educational purposes and not for purpose of profit;
 - c) To promote and/or set up separate charitable institutions for advancement of cultures, education, science, technologies etc. in India and abroad.
- aa)** To carry out work on ecological and protection of environment programme.
- bb)** To raise funds and to receive and use any gift, donation, cash or other movable property of all descriptions from the public at large.
- cc)** To subscribe or give donations to and financially or otherwise to aid any other activity with similar objects.
- dd)** To acquire land in the name of the Trust for construction of building for Schools, Colleges, Universities, Training/ Professional institutes, Hospitals and Medical Colleges in India.
- ee)** To do all such things as may be deemed necessary or expedient for the welfare of the society.
- ff)** To provide residential accommodation (either free of cost or otherwise) for the poor and the needy students to live independently by engaging them in different types of work in the projects.



[Handwritten signature]

3655-9

- gg)** To spread education both formal and non-formal for the needy child, youth, adult and women.
- hh)** To arrange vocational training for uplifting of the socio-economically disadvantaged persons who are rural or urban poor.
- ii)** To render financial and other support to Scheduled Caste, Scheduled Tribes, Other Backward Class and the minority community.
- jj)** To give special attention for integrated rural development through housing, sanitary, tank excavation or re-excavation drinking water etc.
- kk)** To collaborate with various Non-Government Organisations, Trusts, any other organisations for of the objects of the Trust.
- ll)** Health care activities. ~~///~~
- mm)** The trust shall never borrow and/or augment money from the public or open market by announcing attractive financial investment scheme.
- nn)** All aims /objects/purpose of the trust herein stated above shall come into effect/force after necessary appointment of the competent govt. authority in the case where affiliation / permission/license/ sanction is required.
- oo)** The trust will never act like Micro financing, micro credit, franchise and Money Laundering (act-2012) Economic offence/crime and in nature and shall not obtain any donation or like that from abroad without getting the permission of FCRA ACT from the central Govt./the competent Govt. authority which the Trust and the trustees are responsible for and the whole trust is void and come under the all punishable laws as per Trust Act.
- pp)** The Trust will never act which are illegal and unlawful in nature and also oppose to the public policy and contrary to the law of the country for which the trust and the trustees are responsible for that and the whole trust is void and come under the all punishable law.
- qq)** Lawful purpose:- A Trust may be created for any lawful purpose. The purpose of a Trust is lawful unless it is (a) forbidden by law,



[Handwritten signature]

7 OCT 1954

or (b) is of such a nature that, if permitted, it would defeat the provisions of any law, or (c) is fraudulent, or (d) involves or implies injury to the person or property of another or (e) the Court regards it as immoral or opposed to public policy. The purpose of the trust is unlawful is void. A Trust is created for two purposes of which one is lawful and the other unlawful, and the two purposes cannot be separated, the whole Trust is void.

rr) BENEFICIARIES OF THE TRUST:

The Trust is established for the Educational, Health & Welfare opportunities to Citizens of India and the class of people mentioned above without discrimination of caste, religion, race/creed or sex.

ss) REMUNERATIONS:

Trustees shall not be remunerated except service rendered in their professional/educational capacity.

tt) IRREVOCABILITY AND DURATION

The Trustees hereby expressly declares that this Trust is Irrevocable at all times.

uu) AMALGAMATION

The Trustees may amalgamate the Trust with another Charitable Trust or Institution having similar objects with prior permission of the Income Tax/Charity Commissioner/Court/any other law as may be applicable for the time being.

vv) INDEMNITY

- (a) The trustees shall be indemnified out of the assets of the trust i.e. trust property, from and against on suits, proceedings, costs, charges, losses, damages or expenses which they or any of them shall or may incur or sustain by reason/s of any act done or committed in or about the execution of the duty in their respective offices, except such of them as they shall or may incur or sustain by or through their own willful neglect or default respectively and no such trustee shall be answerable for the acts receive neglect or default of any other trustee or for solvency or honesty of any person with whom any money



[Handwritten signature]
TAMIL NADU LEGISLATIVE ASSEMBLY

30/11/2019

or effects safe custody or for insufficiency or any security upon which any money of the trust shall be invested or any other loss or damage due any such cause as aforesaid or which my result from the execution of his office unless the same shall happen through the willful deliberate neglect or default of such trustee.

ww) WINDING-UP

In the event of dissolution or winding up of the Trust the funds and assets remaining as on the date of dissolution shall be transferred to some other similar Trust whose objects are similar to those of this Trust with the permission of the Income Tax / Charity Commissioner / Court / any other law as may be applicable for the time being.

xx) By including the above mentioned paragraph the original deed of trust and remaining paragraphs under clauses of the original deed of trust shall remain the same without being any modification and/or alteration. That all other clauses as written in the Trust deed dated 10-07-1997 will remain in full force and virtue.

IN WITNESS WHEREOF the parties hereto have hereunto set and

subscribed their respective hands on this the day, month and year

above written.

Witnesses

1. *[Signature]*
SAMIR K. BANERJEE
AD23 SECT. SALT LAKE,
KOLKATA - 700064.
2. *[Signature]*
8150, K. M. Rd.
1st Floor, Bagmati,
KOL-56

SIGNATURE OF THE SETTLOR

1. Dr. Satyajit Chakrabarti

2. Banani Chakrabarti

3. Sanghamitra Chakrabarti

4. Satyajit Chakrabarti

5. Kishore Chandra Das K. Shree Chandra Das

Drafted by Advocate

High Court, Calcutta. Enrolment No.

[Signature]
Drafted by member
declaration in document by
the Settlor.

[Signature]
Advocate
High Court, Calcutta 16
WB/867A/83.

INSTITUTE OF ENGINEERING & MANAGEMENT TRUST

TRUSTEE

INSTITUTE OF ENGINEERING & MANAGEMENT TRUST

INSTITUTE OF ENGINEERING & MANAGEMENT TRUST

TRUSTEE

INSTITUTE OF ENGINEERING & MANAGEMENT TRUST

INSTITUTE OF ENGINEERING & MANAGEMENT TRUST

INSTITUTE OF ENGINEERING & MANAGEMENT TRUST

TRUSTEE



[Signature]
Additional Registrar of
Companies

3000-11

SPECIMEN FORM FOR TEN FINGER PRINTS



	LITTLE FINGER	RING FINGER	MIDDLE FINGER	FORE FINGER	THUMB
LEFT HAND					
	THUMB	FORE FINGER	MIDDLE FINGER	RING FINGER	LITTLE FINGER
RIGHT HAND					

INSTITUTE OF ENGINEERING & MANAGEMENT TRUST

Signature

[Signature]

TRUSTEE



	LITTLE FINGER	RING FINGER	MIDDLE FINGER	FORE FINGER	THUMB
LEFT HAND					
	THUMB	FORE FINGER	MIDDLE FINGER	RING FINGER	LITTLE FINGER
RIGHT HAND					

INSTITUTE OF ENGINEERING & MANAGEMENT TRUST

Signature

B. Chakrabarti

TRUSTEE



	LITTLE FINGER	RING FINGER	MIDDLE FINGER	FORE FINGER	THUMB
LEFT HAND					
	THUMB	FORE FINGER	MIDDLE FINGER	RING FINGER	LITTLE FINGER
RIGHT HAND					

INSTITUTE OF ENGINEERING & MANAGEMENT TRUST

Sanyasini Chakrabarti

TRUSTEE



Additional Registrar of
Assurances, State

30 Dec 1955

SPECIMEN FORM FOR TEN FINGER PRINTS



	LITTLE FINGER	RING FINGER	MIDDLE FINGER	FORE FINGER	THUMB
LEFT HAND					
	THUMB	FORE FINGER	MIDDLE FINGER	RING FINGER	LITTLE FINGER
RIGHT HAND					

Signature

Jatyajit Chakrabarti
TRUSTEE



	LITTLE FINGER	RING FINGER	MIDDLE FINGER	FORE FINGER	THUMB
LEFT HAND					
	THUMB	FORE FINGER	MIDDLE FINGER	RING FINGER	LITTLE FINGER
RIGHT HAND					

Signature

Kishore Chandra Das
TRUSTEE

	LITTLE FINGER	RING FINGER	MIDDLE FINGER	FORE FINGER	THUMB
LEFT HAND					
	THUMB	FORE FINGER	MIDDLE FINGER	RING FINGER	LITTLE FINGER
RIGHT HAND					

Signature



[Signature]
Additional Registrar of
Assurance
30 DEC 2004

INSTITUTE

OF ENGINEERING & MANAGEMENT TRUST

120, SDF Building, Sector - V, Salt Lake Electronics Complex
Kolkata - 700 091, India

E-mail : director@iemcal.com
Webpage : www.iemcal.com
Fax : 033-2357-8302/6082
Phone : 033-2357-7649/8189

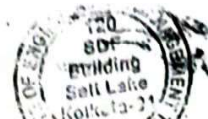
**EXTRACT OF THE MINUTES OF THE MEETING OF BOARD OF
TRUSTEES OF INSTITUTE OF ENGINEERING & MANAGEMENT
TRUST HELD ON 24TH DECEMBER '2020 AT 120 SDF BUILDING
SALT LAKE ELECTRONICS COMPLEX, KOLKATA-700091 AT
11.30 AM**

Resolved that the following objects will be added with New Deed of Declaration which will be executed on 30th December and all the documents relating to Deed of Declaration will be signed by all trustees of said Trust with existing objects:

- a) To run suitably and competently the self financed Institute of Engineering & Management College, Trust will get the courses of the Institute affiliated by Indian Universities as the case may comply necessary rules and regulations.
- b) To run self financed full-fledged Universities in due course of time complying with rules and regulations of the Government and other appropriate authorities.
- c) To advance the education and training in India or abroad as permissible under the National Policy and Income Tax laws in
- d) India by establishing and running one or more Schools/ Colleges/Universities and any other Educational Institutions in the name of Institute of Engineering & Management or any other name in India.
- e) To establish, support, maintain and/or grant aid or other assistance financial or otherwise to schools, colleges, vidyapiths, libraries, reading rooms, lecture halls and other establishments and institutions for the improvement of education and diffusion of knowledge in art, humanities, science, commerce, agriculture and any other objects of similar nature pertaining to education.
- f) To grant scholarships, stipends, prizes, rewards, allowances and supply of books, food, clothing to deserving students to enable them to receive such education, training and qualification as the Trustees may approve including professional, occupational, vocational, commercial, technical, scientific, physical, sociological, journalistic, literature, music and all fine arts;
- g) To establish, support and/or maintain hostels and/or boarding houses for students and provide for boarding and lodging to students studying in any schools, colleges vidyapiths and other educational institutions or receiving education and training either scholastic or otherwise;
- h) To establish and support professorship, fellowship, lectureships, scholarships and prize schemes for awarding prizes in any schools, colleges, vidyapiths and/or other educational institutions;
- i) To establish, support, maintain and/or grant and/or other assistance financial or otherwise to hospitals, nursing homes, institutions, convalescence homes, maternity homes, clinic, dispensaries, sanitarium and/or any other establishments for medical relief;
- j) To establish, support and/or maintain dispensaries and institutions for treatment of persons suffering from any disease and/or physical or mental disability and/or affected by accidents and require such accommodation, care, nursing and attention as may be necessary for their proper treatment.
- k) To grant medical help to the poor and deserving persons regardless to caste, creed, race or community during epidemics, famine, flood, fire, earthquakes or any other natural calamity;



- l) To promote physical culture and education and to assist and promote sports and games and generally to do all acts for the improvement of national health and physical development.
- m) To grant relief as a consequence or in the course of epidemics, famine flood, fire, earthquakes or other calamities and grant donations, subscriptions, contributions or other assistance, financial or persons engaged in relief work on such occupations;
- n) To establish, support, maintain, and/or grant all or other assistance financial or otherwise to orphans, asylums, institutions or other establishments for relief and /or to give help to poor, destitute people, orphans and widows;
- o) To establish and maintain and to grant aid to centers for advancement and diffusion of Indian Arts, culture and cultural activities.
- p) To establish and maintain Hospitals and Medical colleges to conduct Medical, Paramedical, Nursing, Dental, Pharmacy and allied courses.
- q) To establish and maintain Hotel Management Courses with habitat and eateries for practical training;
- r) To establish and maintain legal courses and practical training facilities;
- s) To take rental and lease building and land wherever required for the furtherance of the object of the trust;
- t) To conduct research and development activities, make publish books and digital contents and create infrastructure wherever applicable for furtherance of the object of the trust;
- u) To grant relief in any form to persons mentally or physically challenged, regardless of caste, creed, race or community;
- v) To establish, support, maintain and/or grant aid or other assistance financial or otherwise to museums, sanatoria, dharmasala and/or gardens for public benefits and/or other means of public recreation;
- w) To provide for on arrange relief to animals, birds and all sentient beings and to establish, support, maintain and /or grant aid and/or other assistance to any centres for feeding and/or sentient beings;
- x) To establish chawls, dwelling units buildings or other means of housing for poor;
- y) To subscribe, contribute and/or donate to any public fund institutions devoted to public charitable objects not inconsistent with the objects and purposes to these presents;
- z) a) To grant relief by means of pecuniary or other help in any shape of monthly or other periodic allowances or otherwise to persons who are destitute or in reduced or strained circumstances or otherwise unable to maintain themselves or may be deserving of support.
- b) To give relief, including by way of donations, subscriptions and/or other assistances financial or otherwise to charitable institutions or institutions having objects such as alleviation of human sufferings or the care, maintenance or protections of the old, infirm, blind, maimed, lame or laprous or otherwise diseased persons or having any other object of a public charitable nature not inconsistent with the objects and purpose of these present;
- c) To assist and encourage in like manner the poor in matter of education or in the promotion of or acquisition by them of knowledge of any science or arts or of mechanical or industrial arts or in receiving technical education or in assisting them up in any vocation or calling so as to enable them to earn their livelihood.



- d) To promote and improve agriculture and horticulture in India in all its branches.
- e) To conduct research in both the basic and applied branches of science particularly in relation to agriculture, horticulture and various plantation, archaeological upkeep, pollution control and other allied subjects.
- f) To prepare and implement scheme and/or grant help and/or other assistance in upliftment of villages and/or backward areas.
- aa)** a) To promote and/or set up separate charitable institutions or trusts for providing medical relief in India by establishing, running and maintain hospitals and any medical centre for philanthropic purposes and not for purpose of profit.
- b) To promote and/or set up separate charitable institutions or trusts for imparting education in India by establishing, running and maintaining any University or other education institutions existing solely for educational purposes and not for purpose of profit;
- c) To promote and/or set up separate charitable institutions for advancement of cultures, education, science, technologies etc. in India and abroad.
- bb)** To carry out work on ecological and protection of environment programme.
- cc)** To raise funds and to receive and use any gift, donation, cash or other movable property of all descriptions from the public at large.
- dd)** To subscribe or give donations to and financially or otherwise to aid any other activity with similar objects.
- ee)** To acquire land in the name of the Trust for construction of building for Schools, Colleges, Universities, Training/ Professional institutes, Hospitals and Medical Colleges in India.
- ff)** To do all such things as may be deemed necessary or expedient for the welfare of the society.
- gg)** To provide residential accommodation (either free of cost or otherwise) for the poor and the needy students to live independently by engaging them in different types of work in the projects.
- hh)** To spread education both formal and non-formal for the needy child, youth, adult and women.
- ii)** To arrange vocational training for uplifting of the socio-economically disadvantaged persons who are rural or urban poor.
- jj)** To render financial and other support to Scheduled Caste, Scheduled Tribes, Other Backward Class and the minority community.
- kk)** To give special attention for integrated rural development through housing, sanitary, tank excavation or re-excavation drinking water etc.
- ll)** To collaborate with various Non-Government Organisations, Trusts, any other organisations for of the objects of the Trust.
- mm)** Health care activities.

INSTITUTE OF ENGINEERING & MANAGEMENT TRUST

B. Chakrabarti
TRUSTEE

INSTITUTE OF ENGINEERING & MANAGEMENT TRUST

Jatygjit Chakrabarti
TRUSTEE

INSTITUTE OF ENGINEERING & MANAGEMENT TRUST

TRUSTEE

INSTITUTE OF ENGINEERING & MANAGEMENT TRUST

Sanghamitra Chakrabarti
TRUSTEE

INSTITUTE OF ENGINEERING & MANAGEMENT TRUST

Kishore Chandra Das
TRUSTEE

आयकर विभाग

INCOME TAX DEPARTMENT



भारत सरकार

GOVT. OF INDIA

INSTITUTE OF ENGINEERING &
MANAGEMENT TRUST

08/07/1997

Permanent Account Number

AAAT11143E

08/07/97

स्थायी लेखा संख्या / PERMANENT ACCOUNT NUMBER
AAFP4411J

नाम / NAME
SATYAJIT CHAKRABARTI

पिता का नाम / FATHER'S NAME
SUDARSAN CHAKRABARTI

जन्म तिथि / DATE OF BIRTH
12-07-1947

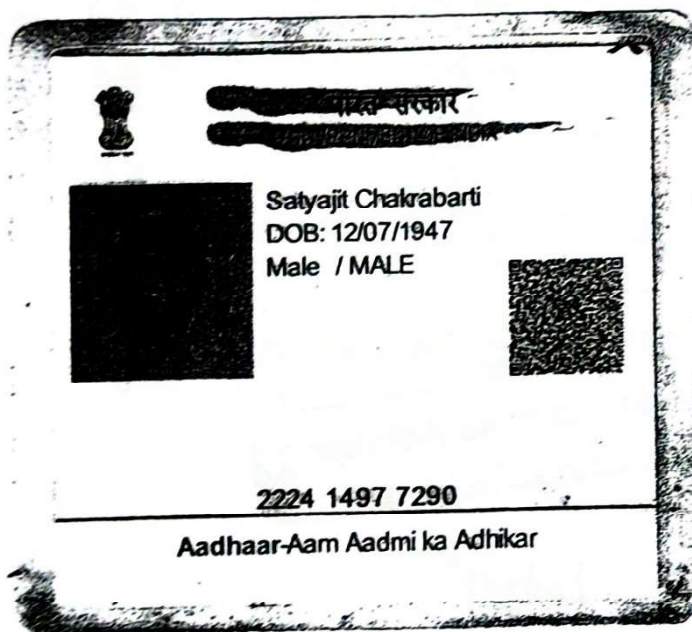
हस्ताक्षर / SIGNATURE

COMMISSIONER OF INCOME-TAX, W.B. - XI

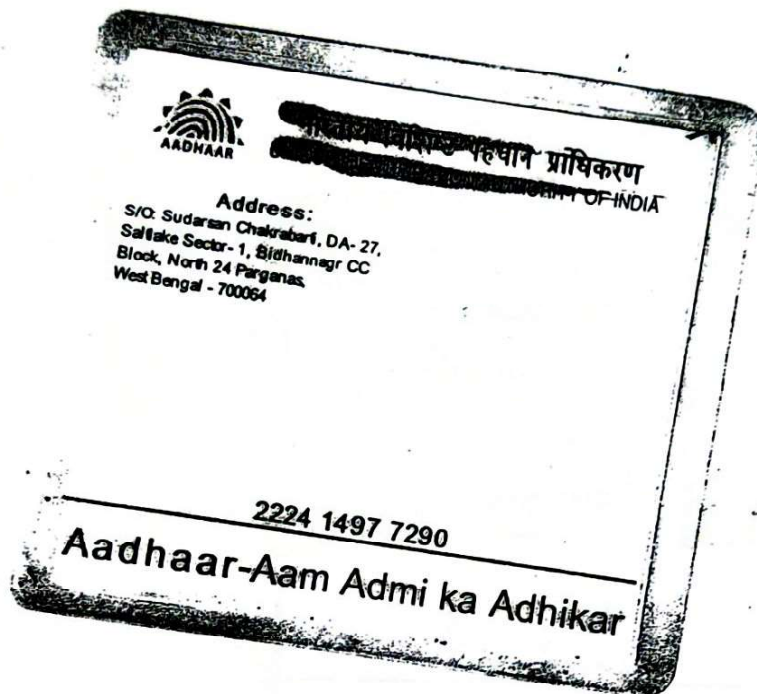
Satyajit

इस कार्ड के खो / गिर जाने पर कृपया जारी करने वाले प्राधिकारी को सूचित / सूचना दें:-
संयुक्त आयकर अधिकारी (प्रणाली एवं तकनीकी),
पी-7,
चौरंगी स्क्वायर,
कलकत्ता - 700 069.

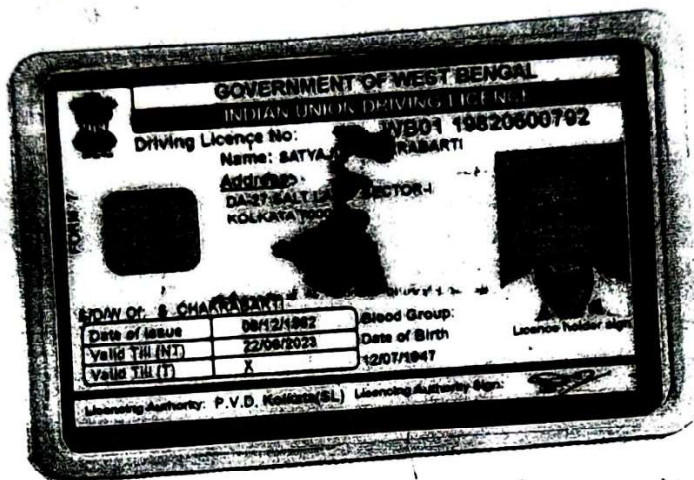
In case this card is lost/found, kindly inform/report to the issuing authority:
Joint Commissioner of Income-tax (Systems & Technical),
P-7,
Chowringhee Square,
Calcutta- 700 069.



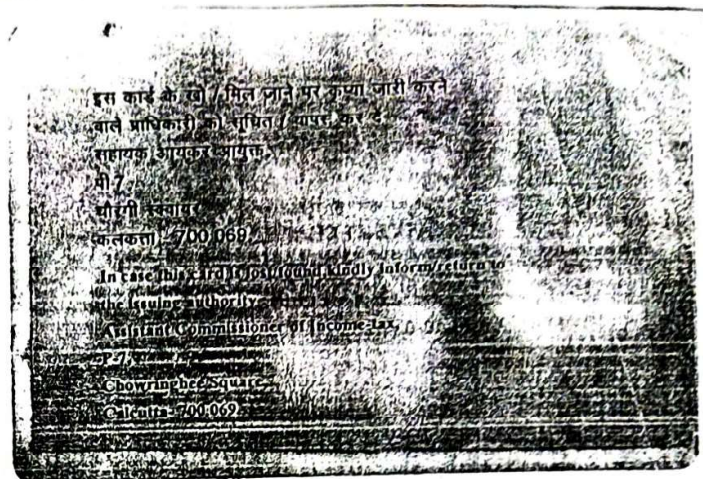
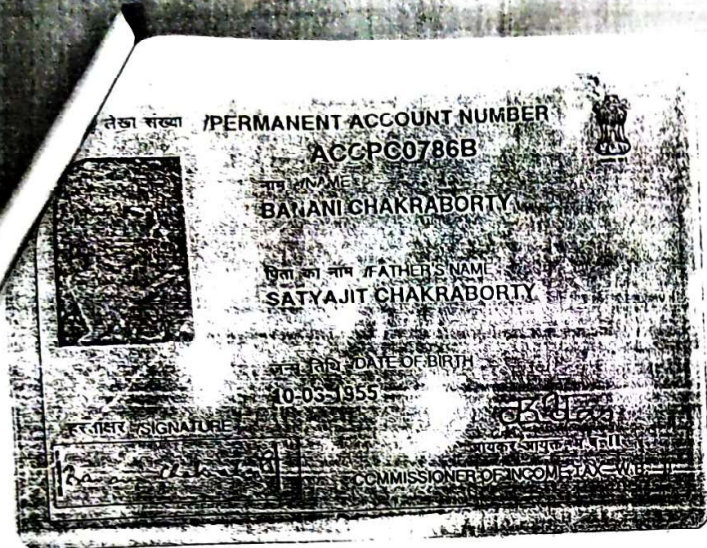
Satyajit



Signature



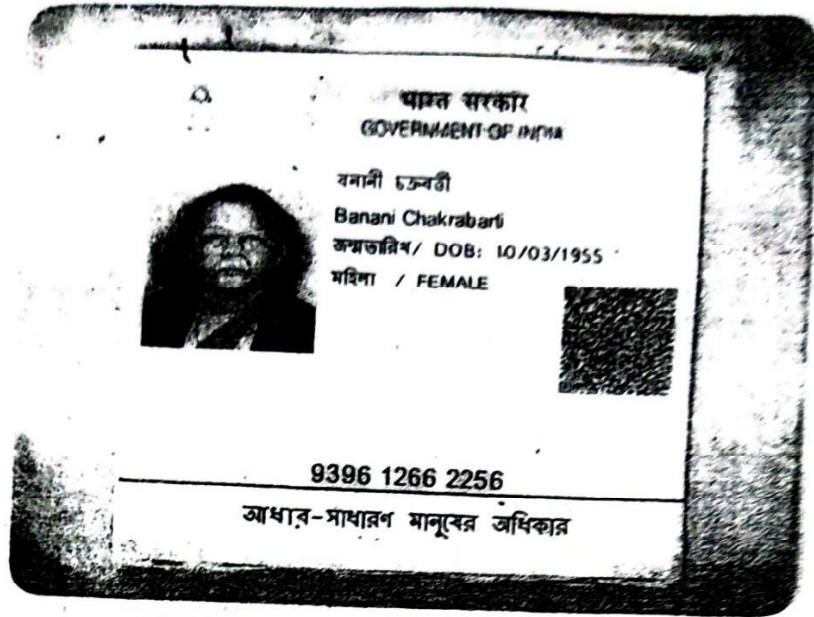
Satya Chakrabarti



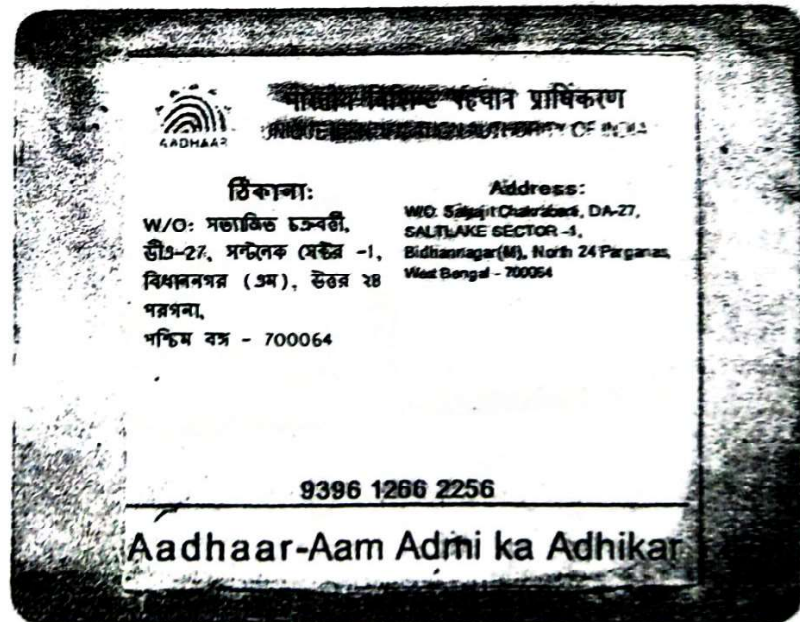
Banani Chakraborti

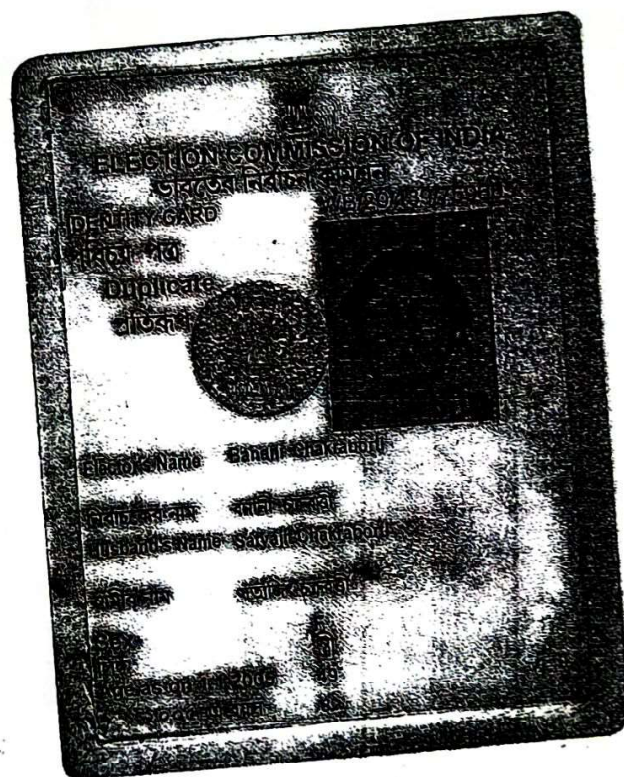
Banani Chakraborti

B. Chakraborti



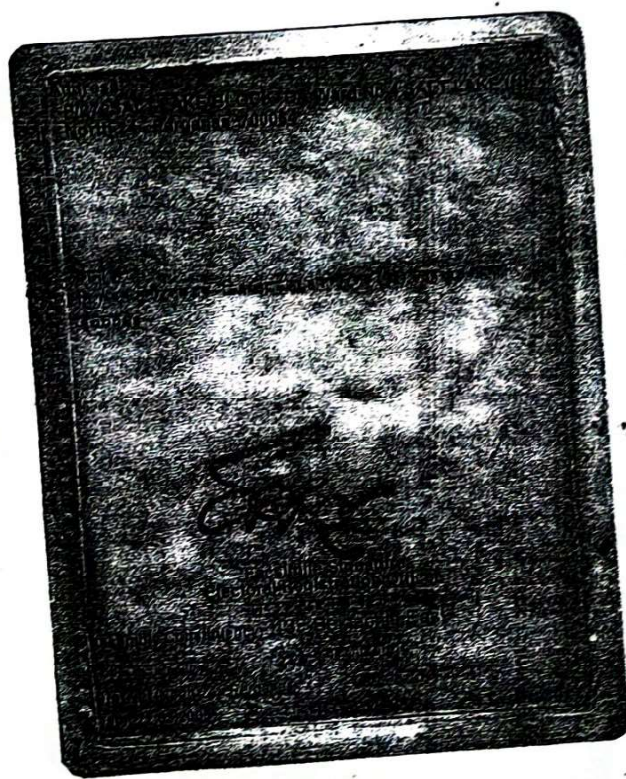
B. Chakrabarti



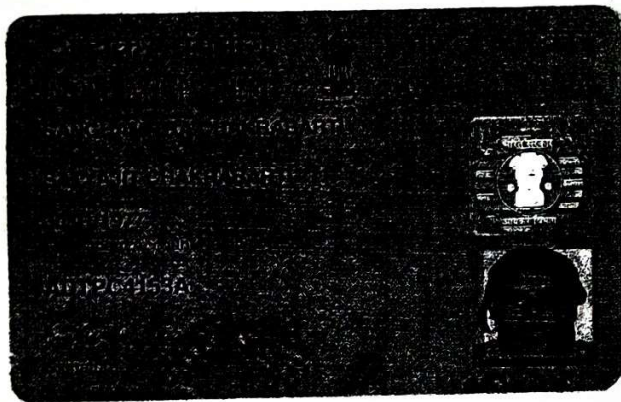


B. Chakrabarti

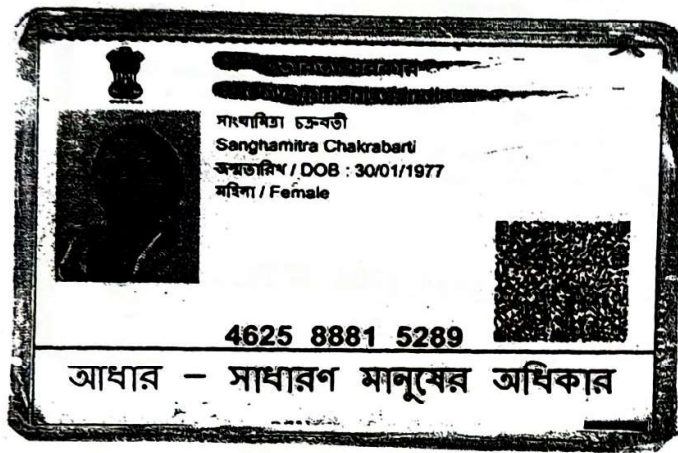
B. Chakrabarti



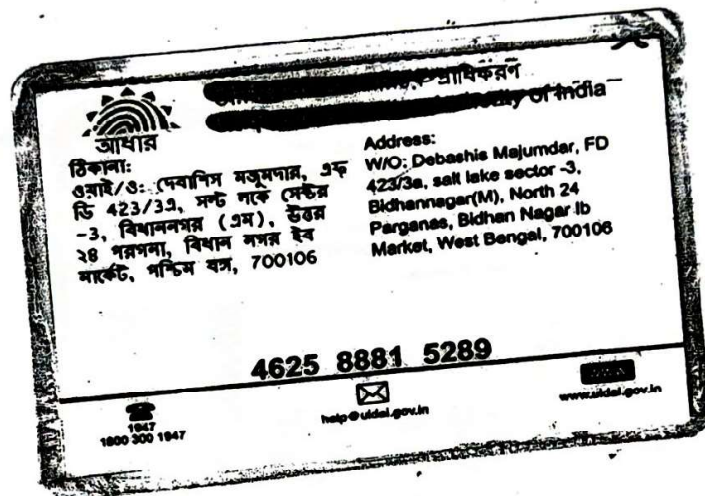
B. Chakrabarti



Sanghamitra Chatterjee



Sanghamitra Chakrabarti



निर्देश / OBSERVATION

निर्देश / MISCELLANEOUS SERVICE

पिता / मातुली अधिकारी का नाम / Name of Father / Legal Guardian

SATYAJIT CHAKRABARTI

माता का नाम / Name of Mother

BANANI CHAKRABARTI

पति का नाम / Name of Spouse

DEBASHIS MAJUMDAR

पता / Address

DA27

SALT LAKE, NORTH 24 PARGANAS

PIN: 700064, WEST BENGAL, INDIA

पुराने पासपोर्ट का नं. और इसके जारी होने की तिथि पद / Old Passport No. with Date and Place of issue

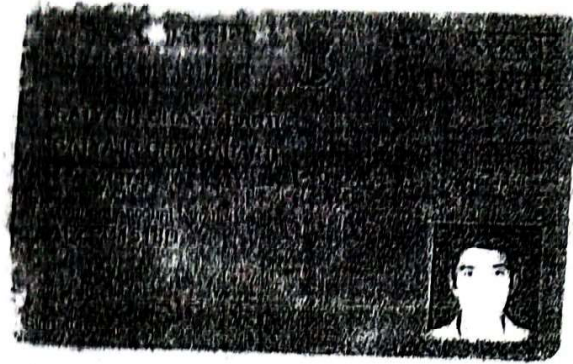
62221942

24/06/2007

KOLKATA

फाइल नं. / File No.

CA2079795066916



Jatyajit Chakrabarti 2/03/2017

Jatyajit Chakrabarti 16/03/2017

Jatyajit Chakrabarti



Debarshi Kar
M.NO: 64604



भारतीय विशिष्ट पहचान प्राधिकरण
भारत सरकार
Unique Identification Authority of India
Government of India



E-Aadhaar Letter

नामांकन क्रमांक/Enrolment No.: 2017/60595/34761

Satyajit Chakrabarti (सत्यजीत चक्रवर्ती)

S/O: Satyajit Chakrabarti, DA 27, salt lake, ca island,
sector-1, Bidhannagar(M), North 24 Parganas,
West Bengal - 700064

आपका आधार क्रमांक/ Your Aadhaar No.:

7125 7320 0426



सूचना

- आधार पहचान का प्रमाण है, नागरिकता का नहीं।
- पहचान का प्रमाण ऑनलाइन ऑथेंटिकेशन द्वारा प्राप्त करें।
- यह एक इलेक्ट्रॉनिक प्रक्रिया द्वारा बना हुआ पत्र है।

INFORMATION

- Aadhaar is a proof of identity, not of citizenship.
- To establish identity, authenticate online.
- This is electronically generated letter.

आधार-आम आदमी का अधिकार

1947
1800 300 1947

help@uidai.gov.in

www.uidai.gov.in

Signature valid

Digitally signed by UNIQUE
IDENTIFICATION AUTHORITY OF INDIA
Date: 2015.11.05 11:06:09 IST

- आधार देश भर में मान्य है.
- आधार के लिए आपको एक ही बार नामांकन दर्ज करवाने की आवश्यकता है.
- कृपया अपना नवीनतम मोबाइल नंबर तथा ई-मेल पता दर्ज कराएं. इससे आपको विभिन्न सुविधाएं प्राप्त करने में सहायता होगी.

- Aadhaar is valid throughout the country.
- You need to enroll only once for Aadhaar.
- Please update your mobile number and e-mail address. This will help you to avail various services in future.



भारत सरकार
GOVERNMENT OF INDIA



सत्यजीत चक्रवर्ती
Satyajit Chakrabarti
जन्म तिथि/ DOB: 12/12/1979
पुरुष / MALE



भारतीय विशिष्ट पहचान प्राधिकरण
UNIQUE IDENTIFICATION AUTHORITY OF INDIA

पता:

आत्मज: सत्यजीत चक्रवर्ती,
डी ए 27, सॉल्ट झील, का
आइलैंड, सेक्टर-1,
बिधानागर(एम), नॉर्थ 24
परगानास,
वेस्ट बंगाल - 700064

Address:

S/O: Satyajit Chakrabarti, DA 27, salt
lake, ca island, sector-1,
Bidhannagar(M), North 24 Parganas,
West Bengal - 700064

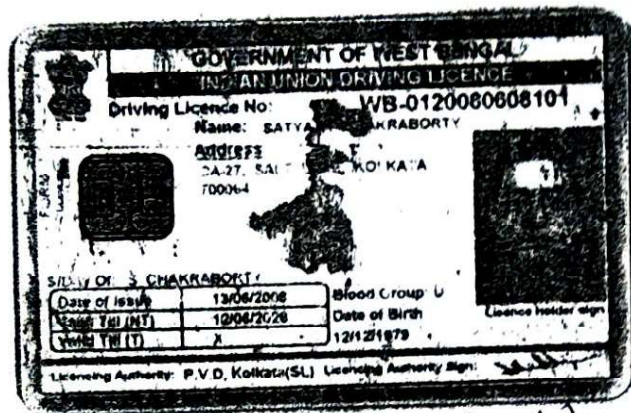
7125 7320 0426

7125 7320 0426

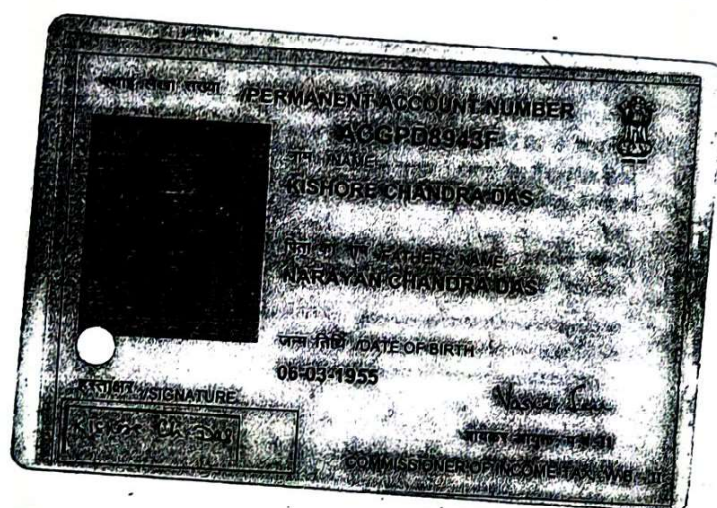
आधार-आम आदमी का अधिकार

Aadhaar-Aam Admi ka Adhikar

Satyajit Chakrabarti



Satyajit Chakraborty



Kishore Chandra Das



भारत सरकार
Unique Identification Authority of India

Enrolment No.: 1193/70042/21037

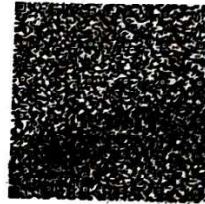
To
Kishore Chandra Das
S/O: Narayan Chandra Das
Near Sri Jagannath Nodular School
Baburigan
Narayanpur
Bhadrak Odisha - 756117
9748312161

Download Date: 25/06/2018

Generation Date: 02/04/2014

Validity: unknown

Downloaded from
UNIQUE IDENTIFICATION
AUTHORITY OF INDIA
Date: 25/06/2018 12:31:52
IST



QR Code used for verification

आपका आधार क्रमांक / Your Aadhaar No. :

6063 0002 3545

VID : 9169 0489 1140 8876

मेरा आधार, मेरी पहचान



Kishore Chandra Das
Date of Birth/DOB: 06/03/1955
Male/ MALE

6063 0002 3545

VID : 9169 0489 1140 8876

मेरा आधार, मेरी पहचान

Kishore Chandra Das



सूचना

- आधार पहचान का प्रमाण है, नागरिकता का नहीं।
- पहचान का प्रमाण ऑनलाइन ऑथेंटिकेशन द्वारा प्राप्त करें।
- यह एक इलेक्ट्रॉनिक प्रक्रिया द्वारा बना हुआ पत्र है।

INFORMATION

- Aadhaar is a proof of identity, not of citizenship.
- To establish identity, authenticate online.
- This is electronically generated letter.

- आधार देश भर में मान्य है।
- आधार भविष्य में सरकारी और गैर-सरकारी सेवाओं का लाभ उठाने में उपयोगी होगा।
- Aadhaar is valid throughout the country.
- Aadhaar will be helpful in availing Government and Non-Government services in future.



भारत सरकार
Government of India

Address:
S/O: Narayan Chandra Das, Near Sri
Jagannath Nodular School, Baburigan,
Bhadrak,
Odisha - 756117



6063 0002 3545

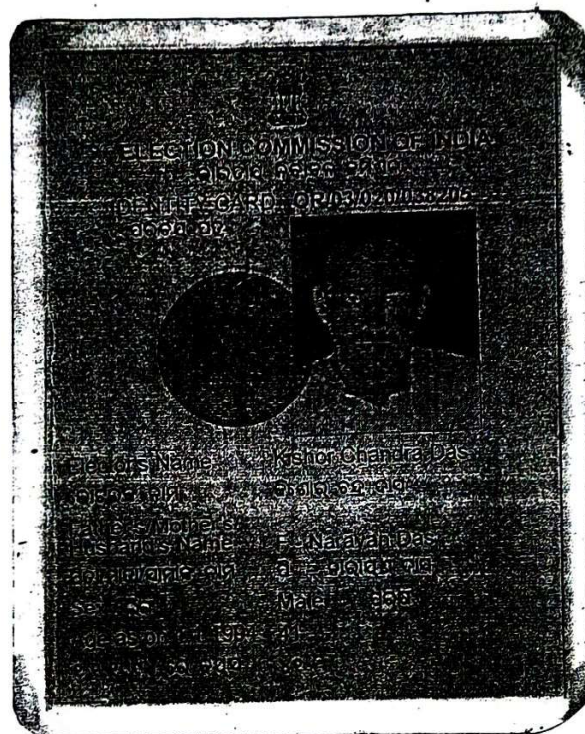
VID: 9169 0489 1140 8876

7891

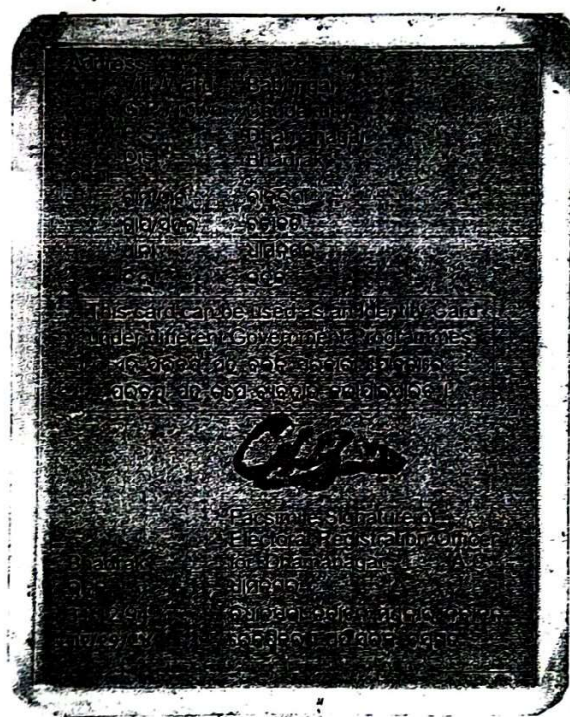
Phone: 011-26121-26121

www.aadhaar.gov.in

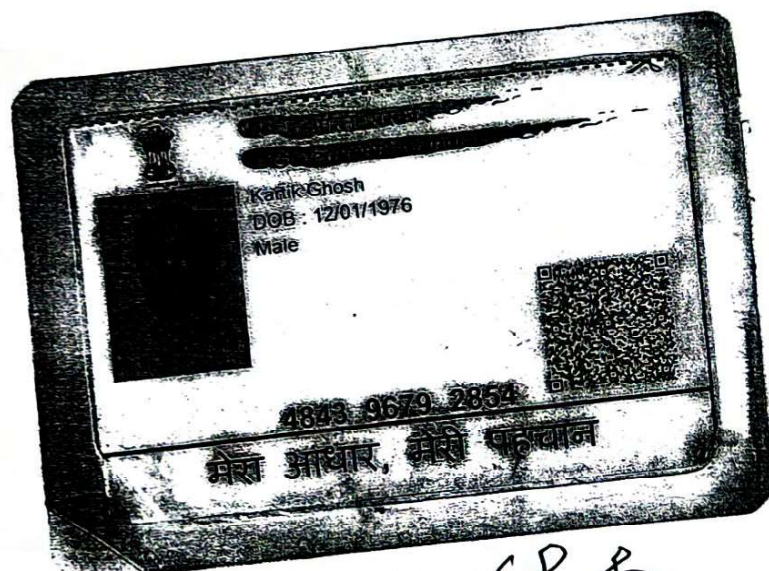
Kishore • Chandra Das



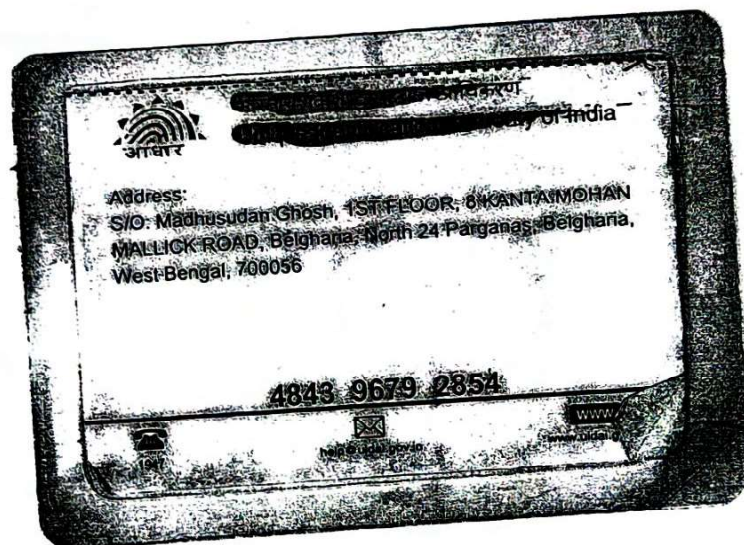
Kishore Chandra Das



Kishore Chandra Das



Kantik Ghosh









Madhusudan Ghosh

Major Information of the Deed

Deed No :	IV-1903-00784/2020	Date of Registration	30/12/2020
Query No / Year	1903-3001795486/2020	Office where deed is registered	
Query Date	30/12/2020 2:43:25 PM	1903-3001795486/2020	
Applicant Name, Address & Other Details	Sk CONSULTANCY HIGH COURT CALCUTTA, Thana : Hare Street, District : Kolkata, WEST BENGAL, PIN - 700001, Mobile No. : 9874391873, Status : Advocate		
Transaction	Additional Transaction		
[4305] Other than Immovable Property, Declaration	[4302] Other than Immovable Property, Deed of Trust [Rs : 1/-], [4305] Other than Immovable Property, Declaration [No of Declaration : 1]		
Set Forth value	Market Value		
Stamp duty Paid (SD)	Registration Fee Paid		
Rs. 100/- (Article:4)	Rs. 21/- (Article:E, E, E)		
Remarks			

Declarant Details :




Sl No	Name Address, Photo, Finger print and Signature			
1	Name	Photo	Finger Print	Signature
	Dr SATYAJIT CHAKRABARTI (Presentant) Son of Late DR SUDARSHAN CHAKRABARTI Executed by: Self, Date of Execution: 30/12/2020 , Admitted by: Self, Date of Admission: 30/12/2020 ,Place : Office	 30/12/2020	 LTI 30/12/2020	 30/12/2020
	, DA-27, SALT LAKE, P.O:- BIDHANNAGAR, P.S:- Bidhannagar, District:-North 24-Parganas, West Bengal, India, PIN - 700064 Sex: Male, By Caste: Hindu, Occupation: Others, Citizen of: India, Aadhaar No: 22xxxxxxxxx7290, Status :Individual, Executed by: Self, Date of Execution: 30/12/2020 , Admitted by: Self, Date of Admission: 30/12/2020 ,Place : Office			

Name	Photo	Finger Print	Signature
Dr SATYAJIT CHAKRABARTI Son of Late DR SUDARSHAN CHAKRABARTI Executed by: Self, Date of Execution: 30/12/2020 , Admitted by: Self, Date of Admission: 30/12/2020 ,Place : Office			
30/12/2020	LTI	30/12/2020	

, DA-27, SALT LAKE CITY, P.O:- BIDHANNAGAR, P.S:- Bidhannagar, District:-North 24-Parganas, West Bengal, India, PIN - 700064 Sex: Male, By Caste: Hindu, Occupation: Others, Citizen of: India, Aadhaar No: 22xxxxxxxx7290, Status :Individual, Executed by: Self, Date of Execution: 30/12/2020

, Admitted by: Self, Date of Admission: 30/12/2020 ,Place : Office




3

Name	Photo	Finger Print	Signature
Smt BANANI CHAKRABARTI Daughter of Late BIRENDRA KUMAR CHAKRABARTI Executed by: Self, Date of Execution: 30/12/2020 , Admitted by: Self, Date of Admission: 30/12/2020 ,Place : Office			
30/12/2020	LTI	30/12/2020	

, DA-27, SALT LAKE CITY, P.O:- BIDHANNAGAR, P.S:- Bidhannagar, District:-North 24-Parganas, West Bengal, India, PIN - 700064 Sex: Female, By Caste: Hindu, Occupation: Others, Citizen of: India, Aadhaar No: 93xxxxxxxx2256, Status :Individual, Executed by: Self, Date of Execution: 30/12/2020







, Admitted by: Self, Date of Admission: 30/12/2020 ,Place : Office

4



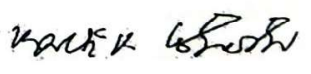
Name	Photo	Finger Print	Signature
Smt SANGHAMITRA CHAKRABARTI Wife of Shri DEBASHIS MAJUMDAR Executed by: Self, Date of Execution: 30/12/2020 , Admitted by: Self, Date of Admission: 30/12/2020 ,Place : Office			
30/12/2020	LTI	30/12/2020	

, FD-423/3A, SECTOR-III, SALT LAKE, P.O:- BIDHANNAGAR, P.S:- Bidhannagar, District:-North 24-Parganas, West Bengal, India, PIN - 700106 Sex: Female, By Caste: Hindu, Occupation: Others, Citizen of: India, Aadhaar No: 46xxxxxxxx5289, Status :Individual, Executed by: Self, Date of Execution: 30/12/2020

, Admitted by: Self, Date of Admission: 30/12/2020 ,Place : Office

Name	Photo	Finger Print	Signature
Shri KISHORE CHANDRA DAS Son of Late NARAYAN CHANDRA DAS Executed by: Self, Date of Execution: 30/12/2020 , Admitted by: Self, Date of Admission: 30/12/2020 ,Place : Office			 30/12/2020
, VILLAGE- BABURIGAON, P.O:- NARAYANPUR, P.S:- DHAMANAGAR, District:-Bhadrak, Orissa, India, PIN - 756116 Sex: Male, By Caste: Hindu, Occupation: Others, Citizen of: India, Aadhaar No: 60xxxxxxxx3545, Status :Individual, Executed by: Self, Date of Execution: 30/12/2020 , Admitted by: Self, Date of Admission: 30/12/2020 ,Place : Office			
6			
Shri SATYAJIT CHAKRABARTI Son of Dr SATYAJIT CHAKRABARTI Executed by: Self, Date of Execution: 30/12/2020 , Admitted by: Self, Date of Admission: 30/12/2020 ,Place : Office			 30/12/2020
, DA-27, SALT LAKE CITY, P.O:- BIDHANNAGAR, P.S:- Bidhannagar, District:-North 24-Parganas, West Bengal, India, PIN - 700064 Sex: Male, By Caste: Hindu, Occupation: Others, Citizen of: India, Aadhaar No: 71xxxxxxxx0426, Status :Individual, Executed by: Self, Date of Execution: 30/12/2020 , Admitted by: Self, Date of Admission: 30/12/2020 ,Place : Office			

Identifier Details :

Name	Photo	Finger Print	Signature
KARTIK GHOSH Son of MADHU SUDAN GHOSH 8, KANTO MOHAN MULLICK ROAD, P.O:- BELGHORIA, P.S:- Belgharia, District:-North 24-Parganas, West Bengal, India, PIN - 700056			 30/12/2020
Identifier Of Dr SATYAJIT CHAKRABARTI, Dr SATYAJIT CHAKRABARTI, Smt BANANI CHAKRABARTI, Smt SANGHAMITRA CHAKRABARTI, Shri KISHORE CHANDRA DAS, Shri SATYAJIT CHAKRABARTI			

On 30-12-2020

Certificate of Admissibility(Rule 43,W.B. Registration Rules 1962)

Admissible under rule 21 of West Bengal Registration Rule, 1962 duly stamped under schedule 1A, Article number : 4 of Indian Stamp Act 1899.

Presentation(Under Section 52 & Rule 22A(3) 46(1),W.B. Registration Rules,1962)

Presented for registration at 17:32 hrs on 30-12-2020, at the Office of the A.R.A. - III KOLKATA by Dr SATYAJIT CHAKRABARTI , one of the Executants.

Admission of Execution (Under Section 58, W.B. Registration Rules, 1962)

Execution is admitted on 30/12/2020 by 1. Dr SATYAJIT CHAKRABARTI, Son of Late DR SUDARSHAN CHAKRABARTI, , DA-27, SALT LAKE, P.O: BIDHANNAGAR, Thana: Bidhannagar, , North 24-Parganas, WEST BENGAL, India, PIN - 700064, by caste Hindu, by Profession Others, 2. Dr SATYAJIT CHAKRABARTI, Son of Late DR SUDARSHAN CHAKRABARTI, , DA-27, SALT LAKE CITY, P.O: BIDHANNAGAR, Thana: Bidhannagar, , North 24-Parganas, WEST BENGAL, India, PIN - 700064, by caste Hindu, by Profession Others, 3. Smt BANANI CHAKRABARTI, Daughter of Late BIRENDRA KUMAR CHAKRABARTI, , DA-27, SALT LAKE CITY, P.O: BIDHANNAGAR, Thana: Bidhannagar, , North 24-Parganas, WEST BENGAL, India, PIN - 700064, by caste Hindu, by Profession Others, 4. Smt SANGHAMITRA CHAKRABARTI, Wife of Shri DEBASHIS MAJUMDAR, , FD-423/3A, SECTOR-III, SALT LAKE, P.O: BIDHANNAGAR, Thana: Bidhannagar, , North 24-Parganas, WEST BENGAL, India, PIN - 700106, by caste Hindu, by Profession Others, 5. Shri KISHORE CHANDRA DAS, Son of Late NARAYAN CHANDRA DAS, , VILLAGE- BABURIGAON, P.O: NARAYANPUR, Thana: DHAMANAGAR, , Bhadrak, ORISSA, India, PIN - 756116, by caste Hindu, by Profession Others, 6. Shri SATYAJIT CHAKRABARTI, Son of Dr SATYAJIT CHAKRABARTI, , DA-27, SALT LAKE CITY, P.O: BIDHANNAGAR, Thana: Bidhannagar, , North 24-Parganas, WEST BENGAL, India, PIN - 700064, by caste Hindu, by Profession Others

Indetified by KARTIK GHOSH, , , Son of MADHU SUDAN GHOSH, 8, KANTO MOHAN MULLICK ROAD, P.O: BELGHORIA, Thana: Belgharia, , North 24-Parganas, WEST BENGAL, India, PIN - 700056, by caste Hindu, by profession Others

Payment of Fees

Certified that required Registration Fees payable for this document is Rs 21/- (E = Rs 21/-) and Registration Fees paid by Cash Rs 21/-

Payment of Stamp Duty

Certified that required Stamp Duty payable for this document is Rs. 45/- and Stamp Duty paid by Stamp Rs 100/-
Description of Stamp

1. Stamp: Type: Impressed, Serial no 3792, Amount: Rs.100/-, Date of Purchase: 15/12/2020, Vendor name: Mita Dutta



Probir Kumar Golder
ADDITIONAL REGISTRAR OF ASSURANCE
OFFICE OF THE A.R.A. - III KOLKATA
Kolkata, West Bengal

Certificate of Registration under section 60 and Rule 69.

Registered in Book - IV

Volume number 1903-2021, Page from 1579 to 1620
being No 190300784 for the year 2020.



Digitally signed by PROBIR KUMAR
GOLDER
Date: 2021.01.11 13:07:55 +05:30
Reason: Digital Signing of Deed.

(Probir Kumar Golder) 2021/01/11 01:07:55 PM
ADDITIONAL REGISTRAR OF ASSURANCE
OFFICE OF THE A.R.A. - III KOLKATA
West Bengal.

(This document is digitally signed.)

Appendix 1.10

University ACT & Notification

The

Kolkata Gazette
सत्यमेव जयते

Extraordinary
Published by Authority

MAGHA 1]

WEDNESDAY, JANUARY 21, 2015

[SAKA 1936

PART III—Acts of the West Bengal Legislature.

GOVERNMENT OF WEST BENGAL

LAW DEPARTMENT

Legislative

NOTIFICATION

No. 84-L.—January 21, 2015.—The following Act of the West Bengal Legislature, having been assented by the Governor, is hereby published for general information:—

West Bengal Act XXV of 2014

**THE UNIVERSITY OF ENGINEERING AND MANAGEMENT,
KOLKATA, ACT, 2014.**

[Passed by the West Bengal Legislature.]

*[Assent of the Governor was first published in the Kolkata Gazette,
Extraordinary, of the 21st January, 2015.]*

An Act to provide for the establishment and incorporation of the University of Engineering and Management, Kolkata at New Town, Rajarhat, North 24-Parganas, West Bengal and to confer the status of a Private University thereon and for matters connected therewith and incidental thereto;

WHEREAS it is expedient to provide for the establishment and incorporation of the University of Engineering and Management, Kolkata at New Town, Rajarhat, in the District of North 24-Parganas, West Bengal promoted by the Institute of Engineering and Management Trust, an educational trust duly created and registered under the Indian Trust Act, 1882 and to confer the status of a Private University thereon and for matters connected therewith and incidental thereto.

2 of 1882.

*The University of Engineering and Management,
Kolkata, Act, 2014.*

(Sections 1, 2.)

It is hereby enacted in the Sixty-fifth Year of the Republic of India, by the Legislature of West Bengal, as follows:—

Short title,
extent and
commencement.

1. (1) This Act may be called the University of Engineering and Management, Kolkata, Act, 2014.

(2) It shall extend to the whole of the State of West Bengal.

(3) It shall come into force on such date as the State Government may, by notification in the *Official Gazette*, appoint.

Definitions.

2. In this Act, unless the context otherwise requires,—

- (1) “**Academic Council**” means the Academic Council of the University;
- (2) “**Administrator**” means the Administrator appointed under this Act by the State Government;
- (3) “**Chairman**” means the Chairman of the Governing Board;
- (4) “**Chancellor**” means the Chancellor of the University;
- (5) “**distance education**” means education imparted by a combination of any two or more means of communication like contact programmes, correspondence courses, online courses, broadcasting, telecasting, seminars and any other such methodology;

Note.—Through distance education, a student is expected to study a course or a part of it without being present physically;

- (6) “**employee**” means a person appointed by the University to work in the University or its study centres, off-campus centres, off-shore campus and includes a teacher, officer and any other employee of the University other than the Visitor;
- (7) “**fee**” means collection of money by the University from the students for the purpose of any course of study and incidental thereto, in the University;
- (8) “**Finance Committee**” means the Finance Committee of the University;
- (9) “**Governing Board**” means the Governing Board of the University;
- (10) “**Governor**” means the Governor of the State of West Bengal;
- (11) “**Off-campus centre**” means a centre of the University established by it outside the main campus, operated and maintained as its constituent unit, having the University’s complement of facilities and employees;
- (12) “**Off-shore campus**” means a campus of the University established by it outside India, operated and maintained as its constituent unit, having the University’s complement of facilities and employees;
- (13) “**prescribed**” means prescribed by rules made under this Act;
- (14) “**registered office**” means the registered office of the University;

*The University of Engineering and Management,
Kolkata, Act, 2014.*

(Section 3.)

(15) **“Regulatory Body”** means—

(a) a body established by the Central Government for laying down norms and conditions for ensuring academic standards of higher education in its designated areas of coverage, including University Grants Commission, All India Council for Technical Education, Council for Scientific and Industrial Research, Department of Science and Technology, Distance Education Council, Indian Council of Scientific Research, National Assessment and Accreditation Council, National Council for Teacher Education, Pharmacy Council for India, Bar Council of India, Medical Council of India, Dental Council of India, Indian Nursing Council, Central Council of Homocopathy, Central Council of Indian Medicine, Council of Architecture, Rehabilitation Council of India and such other statutory body as may be established or incorporated by the Central Government for the purpose of regulating higher education; and

(b) the State Government of West Bengal in the Higher Education Department;

(16) **“Regulatory Committee”** shall mean the committee constituted by the State Government for the purpose of this Act;

(17) **“Sponsoring trust”** in relation to the University means the Institute of Engineering and Management Trust, an educational trust duly constituted and registered under the Indian Trust Act, 1882;

2 of 1882.

(18) **“State Government”** means the Government of West Bengal in the Higher Education Department;

(19) **“Statutes, Regulations and Ordinances”** shall mean respectively the Statutes, the Regulations and the Ordinances of the University as may be framed by the University in the manner provided under this Act with prior approval of the State Government;

(20) **“Student”** means a person enrolled in the University for taking a course of study leading to a degree, diploma, certificate or other academic distinction duly instituted by the University including a research degree;

(21) **“Study Centres”** means a centre established and maintained or recognized by the University for the purpose of advising, counselling or for rendering any other assistance required by the student in the context of distance education;

(22) **“Teacher”** means a Professor, Associate Professor, Assistant Professor, or any other person required to impart education or to guide research or to render guidance in any other form to the students for pursuing a course of study in the University for the purpose of this Act;

(23) **“University”** means the University of Engineering and Management, Kolkata, established and incorporated under section 3 of this Act;

(24) **“University Grants Commission”** means the University Grants Commission, established under the University Grants Commission Act, 1956.

3 of 1956.

Establishment
and
incorporation of
the University.

3. (1) There shall be established and incorporated a University by the name of the University of Engineering and Management, Kolkata, at New Town, Rajarhat, North 24-Parganas within the territory of West Bengal duly sponsored and financed by the Institute of Engineering and Management Trust, an educational trust, more specifically described under Schedule A of this Act.

*The University of Engineering and Management,
Kolkata, Act, 2014.*

(Sections 4, 5.)

(2) The University shall be a body corporate by the name of the University of Engineering and Management, Kolkata having perpetual succession and common seal and shall, by the said name, sue and be sued.

(3) The University shall be a self-financed unitary University.

(4) In all suits and other legal proceedings by or against the University, the pleadings shall be signed and verified by the Registrar or any other official as may be duly authorized by the Chancellor and all processes in such suits and proceedings shall be issued to, and served on, the Registrar or on such other official as may be authorised by the Chancellor.

(5) The headquarters of the University shall be at the University campus at New Town, Rajarhat, North 24-Parganas, West Bengal.

(6) The University may have departments or schools or centres anywhere in the State of West Bengal as may be decided by the Governing Board with prior approval of the State Government and the relevant Regulatory Bodies.

(7) All existing institutes held by the sponsoring trust may be integrated within the University after being subsumed by the University in due course as may be decided by the Governing Board and with prior approval of the State Government in writing:

Provided that every such institute so subsumed within the University shall, under no circumstances, be permitted to be used or operated as the University study centre, University Campus, off-campus, off-shore campus or in any like manner within such period as may be determined by the Regulatory Body from time to time:

Provided further that the procedure of subsumption shall be such as may be notified by the State Government.

Properties of the
University and
its application.

4. (1) The Sponsoring trust shall transfer movable and immovable properties described under Schedule B to the University and all such properties shall be deemed to be so transferred and vested absolutely to the University with effect from the date of coming into force of this Act.

(2) The properties, movable or immovable, as transferred by the Sponsoring trust to the University shall be used and administered by the Governing Board in such manner as may be provided for by the Regulations.

(3) The properties transferred in the name of the University under sub-section (1) shall be applied for meeting the liabilities of the University in the event of dissolution or winding up of the University in such manner as may be prescribed by rules.

Restrictions and
obligations of
the University.

5. (1) The tuition fees for professional courses such as Engineering and Technology, Management etc., in the University shall be such as may be determined by the State Government from time to time.

(2) The University shall allow free-ship in tuition fees to at least five *percent* of their total strength, to the students belonging to poor and economically backward classes.

Note.—The relevant criteria for determining poor and economically backward class shall be such as may be determined by the State Government from time to time.

(3) The University shall compulsorily make provision for reservation of seats for the students domiciled in the State of West Bengal to the extent of at least twenty-five *percent* of the total number of students in the University.

*The University of Engineering and Management,
Kolkata, Act, 2014.*

(Section 6.)

(4) The University shall make provisions for reservation of non-teaching posts in the University for the persons domiciled in the State of West Bengal to the extent of at least fifty percent of the total number of non-teaching employees of the University.

(5) The University shall appoint adequate number of teachers and officers in the University for maintaining the academic standards specified and shall ensure that the qualifications of such teachers or officers of the University shall not be lower than as prescribed by the relevant Regulatory Bodies.

(6) The University shall compulsorily place in the public domain every information in relation to the University which would be of interest to the students and other stake holders *inter alia*, including the courses offered, number of seats under different quotas, fees and other charges, facilities and amenities offered, faculty in place and such other relevant information.

Objects of the
University.

6. The objects of the University shall be as follows, namely:—

- (i) to provide instruction, teaching, training and research in various branches and specialized fields of study of Science, Technology, Medicine, Management, Law, Humanities, Social Sciences, Education, Performing Arts, Sports and any other fields of study including the imparting of skills that have employment potentiality;
- (ii) to establish the main campus at New Town, Rajarhat, North 24-Parganas, West Bengal, and to have study centres, campuses, Off-campus centres, Off-shore campuses and regional centres at different places in India and abroad as per the norms and regulations of the University Grants Commission and other relevant Regulatory Bodies;
- (iii) to provide regular and distance education programmes;
- (iv) to institute degrees, diplomas, certificates and other academic distinctions on the basis of examination, or any other method of evaluation;
- (v) to collaborate with other colleges or Universities, research institutions, industry associations, professional associations or any other organization, in India and abroad, and to conceptualize, design and develop specific educational and research programmes, training programmes and exchange programmes for students, faculty members and others;
- (vi) to disseminate knowledge through seminars, conferences, executive education programmes, community development programmes, publications and training programmes;
- (vii) to undertake programmes for the training and development of faculty members and teachers of the University and other institutions in India and abroad;
- (viii) to undertake collaborative research with any organization in India and abroad;
- (ix) to create higher levels of intellectual abilities;
- (x) to create entrepreneurs by providing necessary skills and support;
- (xi) to provide consultancy to industry, Government, public and private organization;
- (xii) to create an Industry Academia partnership by inviting industry and institutions in the University campus and other university places for mutual benefits;

*The University of Engineering and Management,
Kolkata, Act, 2014.*

(Sections 7, 8.)

- (xiii) to ensure that the standard of degrees, diplomas, certificates and other academic distinctions are not lower than those laid down by the Regulatory Bodies in India;
- (xiv) to do all things necessary or expedient to promote the objectives of this Act;
- (xv) to pursue any other objective as may be assigned to the University by the State Government.

University shall remain open to all irrespective of sex, religion, class, colour, creed or opinion.

7. No person shall be discriminated against or be excluded from any office of the University or from membership of any of its authorities or from admission to any course of study leading to a degree, diploma or other academic distinction on the grounds of sex, race, creed, caste, class, place of birth and religious belief or political or other opinion.

Powers and functions of the University.

8. Subject to the provisions of this Act and the policy of the State Government in this regard, the University shall exercise the following powers and functions, namely:—

- (i) to administer and manage the University, its departments, schools, centres for research, education and instruction as are necessary for the furtherance of the objects of the University;
- (ii) to provide for instruction, education, training and research in such branches of knowledge or learning of its programmes of study and allied areas;
- (iii) to conduct innovative experiments in new methods and technologies in the core and emerging fields of education to achieve high standards of such education, training and research;
- (iv) to provide courses and curricula and to provide for flexibility in the education system and delivery methodologies, including electronic and distance learning;
- (v) to hold examinations through physical or electronic mode and to confer degrees, diplomas or to grant certificates and other academic distinctions or to award titles on persons, subject to such conditions, as the University may determine, and to withdraw or cancel any such degree, diplomas, certificates, or other academic distinctions or titles in the manner provided for by the Regulations;
- (vi) to confer ordinary and honorary degrees or other distinctions in the manner provided for by the Statutes;
- (vii) to establish such centres, specialized study centres or other units within the campus and departments for research and instruction as are in the opinion of the University necessary for the furtherance of its objects;
- (viii) to provide printing, reproduction and publication of research and other works and to organize exhibitions;
- (ix) to sponsor and undertake research in all aspects of information and communication technology and allied areas;
- (x) to collaborate or associate with, advise, administer, control, develop, maintain, or take over by way of merger or otherwise, any educational institution having similar objects;
- (xi) to develop and maintain linkages with educational or other institutions in any part of the world through exchange of teachers and scholars in such manner as may be conducive to their common objects;

*The University of Engineering and Management,
Kolkata, Act, 2014.*

(Section 8.)

- (xii) to develop and maintain relations with teachers, researchers, and domain experts in information and communication technology and allied areas in any part of the world for achieving the objects of the University;
- (xiii) to regulate expenditure and to manage the finances and to maintain accounts of the University;
- (xiv) to receive funds from industry, institutions, national and international organizations, national or international financial institutions including nationalized banks or from any other source, or to receive loans, subsidies, grants, assistance, donations, benefactions, bequests and to transfer of movable and immovable properties, for the purposes and objects of the University in such manner as may be provided for by the Regulations;
- (xv) to establish, maintain and manage halls and hostels for the use and residence of the students;
- (xvi) to supervise and control the residence and regulate the discipline of the students of the University and to make arrangements for promoting their health, general welfare and cultural activities;
- (xvii) to fix, demand, receive and recover fees and such other charges as may be provided for by the Regulations;
- (xviii) to institute and award fellowships, scholarships, prizes, medals and other awards;
- (xix) to purchase or to take on lease or accept as gifts or otherwise any land, or building or works or any other movable or immovable property which may be necessary or expedient for the purpose of the University and for its expansion and on such terms and conditions as it may deem fit and proper and to construct or alter and maintain any such building or works;
- (xx) to lease, exchange, or otherwise dispose of all or any of the properties of the University, movable or immovable, on such terms as it may think fit and consistent with the interest, activities and objects of the University in such manner as may be provided for by the Regulations;
- (xxi) to draw and accept, to make and endorse, to discount and negotiate all promissory notes, bills, exchange, cheques or other negotiable instruments;
- (xxii) to raise and borrow money on bond, mortgages, promissory notes or other obligations or securities founded or based upon all or any of the properties and assets of the University or without any securities and upon such terms and conditions as it may think fit and to pay out of the funds of the University, all expenses incidental to the raising of money, and to repay and redeem any money borrowed;
- (xxiii) to invest the funds of the University in such securities and transpose any investment from time to time in such manner as it may deem fit in the interest of the University;
- (xxiv) to execute conveyances regarding transfers, mortgages, leases, licences, agreements and other conveyances in respect of property, movable or immovable including Government securities belonging to the University or to be acquired for the purpose of the University within the guidelines of the Central Government and the State Government and the Reserve Bank of India;
- (xxv) to admit students into the courses offered by the University in the manner as may be provided for by the Regulations;

*The University of Engineering and Management,
Kolkata, Act, 2014.*

(Sections 9, 10.)

- (xxvi) to create academic, technical, administrative, ministerial and other posts and to make appointment thereto;
- (xxvii) to regulate and enforce discipline among the employees of the University and to provide for such disciplinary measures as may be provided for by the Regulations;
- (xxviii) to institute Professorship, Associate Professorship, Assistant Professorship and any other teaching, academic or research posts and to prescribe qualifications for them not repugnant to the requirement of the Regulatory Bodies;
- (xxix) to appoint persons as Professors, Associate Professors, Assistant Professors as teachers and researchers of the University;
- (xxx) to do all such other acts and things as the University may consider necessary, conducive or incidental to the attainment of all or any of the objects of the University.

Teaching in the
University.

9. (1) All recognized teaching in connection with any degrees, diplomas, certificates, awards, distinctions of the University shall be conducted by the teachers of the University under the general control of the Governing Board and the Academic Council.

(2) The courses of study, the curricula and the authorities responsible for such teaching shall be such as may be provided for by the Regulations.

The Visitor.

10. (1) The Governor of West Bengal shall, by virtue of his office, be the Visitor of the University.

(2) The Visitor shall, when present, preside at the convocation of the University for the purpose of conferring degrees, diplomas, awards, certificates of other academic distinctions in the University.

(3) The Visitor shall have the power to call for any paper or information relating to the affairs of the University and on the basis of the information received by the Visitor, if he is satisfied that any order, proceeding, or decision taken by any authority of the University is not in conformity with the policy of the State Government in this regard or the Provisions of this Act or the Rules, the Statutes, the Regulations or the Ordinances of the University, he may issue such directions as he may deem fit in the interest of the University and the directions so issued shall be complied with by the University forthwith.

(4) The Visitor shall have the power to cause an inspection to be made by such person or persons as he may direct, of the University, its building, libraries, laboratories and equipment, and of any centre, department, institution, school or campuses maintained by the University and also of the examinations, teaching and other work conducted or done by the University and to cause an inquiry to be made in like manner in respect of any matter connected with the administration or finances of the University and its centres, departments, institutions or schools.

(5) The Visitor shall, in every case, give notice to the University of his intention to cause an inspection or inquiry to be made, and the University shall, on receipt of such notice, have the right to make, within thirty days from the date of receipt of the notice or such other period as the Visitor may determine, such representations to the Visitor, as it may consider necessary.

*The University of Engineering and Management,
Kolkata, Act, 2014.*

(Sections 11-13.)

(6) Without prejudice to the generality of the foregoing provisions of this section, the Visitor may, by order in writing annul any proceeding of any meeting of any authority or committee of the University which is not in conformity with this Act or the rules or the policy of the State Government or the Statutes or the Regulations or the Ordinances of the University:

Provided that before making any such order, he shall call upon the University to show cause as to why such an order should not be made, and if any satisfactory cause is shown within a reasonable time, he may consider the same.

(7) The Visitor shall have such other powers as may be prescribed by the rules.

Authorities of
the University.

11. The following shall be the authorities of the University, namely:—

- (a) the Governing Board;
- (b) the Academic Council;
- (c) the Finance Committee; and
- (d) such other authorities as may be declared by the Statutes of the University to be the authorities of the University.

Officers of the
University.

12. The following shall be the officers of the University, namely:—

- (a) the Chancellor;
- (b) the Vice-Chancellor;
- (c) the Deans;
- (d) the Registrar;
- (e) the Law Officer;
- (f) the Chief Finance Officer;
- (g) the Controller of Examinations, and
- (h) such other persons as may be declared by the Statutes of the University to be officers of the University.

The Governing
Board, its powers
and functions.

13. (1) The Governing Board of the University shall consist of the following members, namely:—

- (i) the Chancellor, who shall be the Chairman of the Governing Board;
- (ii) two representatives of the Sponsoring trust to be nominated by the trust;
- (iii) the Vice-Chancellor of the University;
- (iv) two Deans of the faculty councils for post-graduate and undergraduate studies to be nominated by the Chancellor, by rotation of every three years in alphabetical order;
- (v) three academicians to be nominated by the Visitor, the State Government and the Chancellor respectively;
- (vi) three experts representing other disciplines such as finance, legal, management or humanities, to be nominated by the Chancellor;
- (vii) two representatives from the industrial sector to be nominated by the Chancellor; and
- (viii) the Registrar, who shall be the Secretary of the Governing Board.

(2) The Governing Board shall be the supreme authority of the University and all the powers and functions as conferred to the University under this Act shall be executed by the Governing Board.

*The University of Engineering and Management,
Kolkata, Act, 2014.*

(Sections 14, 15.)

(3) In addition to the powers and functions conferred under section 8 of this Act, the Governing Board shall also have the following powers, namely:—

- (a) to provide general superintendence and directions and to control the functioning of the University;
- (b) to frame Statutes, Regulations, Ordinances and to place them before the State Government for approval;
- (c) to borrow or invest the funds of the University and to take decisions in this regard on recommendation of the Finance Committee;
- (d) to create or to abolish posts of teachers and other employees of the University;
- (e) to review the decisions of other authorities of the University in case they are not in conformity with the provisions of this Act or the rules or the Statutes or the Regulations or the Ordinances of the University;
- (f) to prepare the budget and annual report of the University;
- (g) to lay down the academic, administrative and other policies to be followed by the University;
- (h) to recommend to the Sponsoring trust, in consultation with the Visitor, about the voluntary winding up of the University if a situation arises where the smooth functioning of the University is not possible, in spite of all efforts;
- (i) such other powers as may be provided for by the Statutes or by the Regulations or by the Ordinances of the University.

(4) The term of office of members of the Governing Board including their re-nomination or resignation shall be such as may be provided for by the Statutes.

(5) The Governing Body shall meet at least three times in a calendar year.

(6) The quorum for meetings of the Governing Board shall be seven.

Chancellor of the
University and
its powers.

14. (1) The Chancellor shall be appointed by the Sponsoring trust.

(2) The Chancellor shall be the head of the University.

(3) The Chancellor shall preside over the meetings of the Governing Board and shall, when the Visitor is not present, preside at the convocation of the University for the purpose of conferring degrees, diplomas, awards, certificates or other academic distinctions.

(4) The Chancellor shall have the following powers, namely:—

- (a) to call for any information or record of the University;
- (b) to appoint the Vice-Chancellor;
- (c) to remove the Vice-Chancellor in accordance with the provisions made under this Act;
- (d) such other powers as may be provided for by the Statutes.

The Vice-
Chancellor.

15. (1) The Vice-Chancellor shall be appointed by the Chancellor on recommendation of the Governing Board.

(2) The Vice-Chancellor shall be an educationist and must meet the eligibility criteria, if any, as determined by the Regulatory Bodies.

(3) The term of the office of the Vice-Chancellor shall be determined by the Governing Board.

*The University of Engineering and Management,
Kolkata, Act, 2014.*

(Sections 16, 17.)

(4) Where a vacancy in the office of the Vice-Chancellor occurs and it cannot be conveniently and expeditiously filled up in accordance with the provisions of sub-section (1) and if there is an emergency, the Chancellor in consultation with the Governing Board, may appoint any suitable person to be the Vice-Chancellor and may from time to time, extend the term for a period not exceeding the total period of one year.

(5) The Vice-Chancellor shall be the principal academic officer of the University and shall exercise general superintendence and control over the academic affairs of the University and shall also execute the decisions of various authorities of the University.

(6) The Vice-Chancellor shall preside at the convocation of the University in the absence of the Visitor and the Chancellor.

(7) The Vice-Chancellor shall also exercise such powers and perform such duties as may be provided for by the Statutes.

(8) If, at any time, upon representation made or otherwise, and after making such inquiry as may be deemed necessary, the situation so warrants and if the continuance of the Vice-Chancellor is not in the interests of the University, the Chancellor may, by an order in writing stating the reasons therein, ask the Vice-Chancellor to relinquish his office from such date as may be specified in the order and in such manner as may be provided for by the Statutes:

Provided that before taking an action under this sub-section, the Vice-Chancellor shall be given an opportunity of being heard.

The Academic Council.

16. (1) The Academic Council shall consist of the Vice-Chancellor and such other members as may be provided for by the Statutes.

(2) The Vice-Chancellor shall be the Chairperson of the Academic Council.

(3) The Academic Council shall be the principal academic body of the University and shall, subject to the provisions of this Act and the rules and the Statutes, co-ordinate and exercise general supervision over the academic policies of the University.

(4) The quorum for meetings of the Academic Council shall be such as may be provided for by the Statutes.

Powers and functions of the Academic Council.

17. Subject to the provisions of this Act, the rules and the Statutes, the Academic Council shall, in addition to all other powers vested in it, have the following powers, namely:—

- (i) to exercise general supervision over the academic policies of the University and to give directions regarding methods of instruction, evaluation of research or improvement in academic standards;
- (ii) to bring about inter-faculty co-ordination, and to establish or appoint committees or boards, for taking up projects on an inter-faculty basis;
- (iii) to consider matters of general academic interest either at its own initiative or referred to in the Faculty Councils, and to take appropriate action thereon; and
- (iv) to suggest framing of such Regulations consistent with the provisions of this Act, the rules, the Statutes, the Regulations and the Ordinances regarding the academic functioning of the University, discipline, residence, admissions, award of fellowships and studentships, fee concessions, corporate life and attendance.

*The University of Engineering and Management,
Kolkata, Act, 2014.*

(Sections 18-23.)

The Deans.

18. (1) There shall be a Dean for each and every Faculty Council for post-graduate and undergraduate studies in the University who shall be appointed by the Chancellor on recommendation of the Governing Board from amongst the existing teachers of the University.

(2) Every Dean shall be the Vice-Chairman of the respective Faculty Council for post-graduate and undergraduate studies and shall have such powers and functions as may be provided for by the Statutes.

(3) The Dean of every Faculty Council for post-graduate and undergraduate studies may be removed from his office for such reasons and in such manner as may be provided for by the Statutes.

The Registrar.

19. (1) The Registrar shall be appointed by the Chancellor on recommendation of the Sponsoring trust in such manner, as may be provided for by the Statutes.

(2) All contracts shall be signed and all documents and records shall be authenticated by the Registrar on behalf of the University.

(3) The Registrar shall be the Member Secretary of the Governing Board and the Academic Council but he shall not have a right to vote.

(4) The Registrar shall exercise such other powers and perform such other functions as may be provided for by the Statutes.

The Law Officer,
Chief Finance
Officer and the
Controller of
Examinations.

20. (1) The appointment of the Law Officer, the Chief Finance Officer and the Controller of Examinations shall be made by the Chancellor in such manner and with such terms and conditions as may be provided for by the Statutes.

(2) The Law Officer, the Chief Finance Officer and the Controller of Examinations shall exercise such powers and perform such functions as may be provided for by the Statutes.

The Finance
Committee.

21. (1) There shall be a Finance Committee with the Chancellor as the Chairman.

(2) The constitution, powers and functions of the Finance Committee shall be such as may be provided for by the Statutes.

Other Officers.

22. (1) The University may appoint such other officers as may be necessary for its functioning.

(2) The manner of appointment of such other officers of the University and their powers and functions, including the terms and conditions of their service, shall be such as may be provided for by the Statutes.

The Faculty
Councils for
post-graduate
and
undergraduate
studies.

23. (1) There shall be as many Faculty Councils for post-graduate and undergraduate studies as there are courses of studies or faculties in the University as per the decision of the Governing Board.

(2) Each Faculty Council for post-graduate and undergraduate studies shall consist of the following members:—

- (i) the Vice-Chancellor—Chairman;
- (ii) the Dean of the Faculty Council Concerned;
- (iii) the Head or Heads of the Department or Departments concerned, if any;
- (iv) the Professors and the Associate Professors of the Department concerned, if any;

*The University of Engineering and Management,
Kolkata, Act, 2014.*

(Section 24.)

- (v) the Librarian of the University and if the post of Librarian is vacant then the person acting as Librarian of the University;
- (vi) five teachers of the University, other than Professors and Associate Professors, to be nominated by the Chancellor.

(3) One-third of the total number of members of a Faculty Council for post-graduate and undergraduate studies shall be a quorum for a meeting of the Faculty Council.

Powers and functions of the Faculty Council for post-graduate and undergraduate studies.

24. Subject to the provisions of this Act, the rules, the Statutes, the Regulations and the Ordinances made thereunder, the Faculty Council for post-graduate and undergraduate studies shall exercise the following powers and perform the following functions, namely:—

- (i) to make proposals to the Governing Board for the establishment of University departments, institutions, libraries, laboratories and museums for study and research to be maintained by the University;
- (ii) to recommend to the Governing Board the creation and institution of Professorships, Associate Professorships, Assistant Professorships and other teaching posts and their emoluments thereof;
- (iii) to make proposals to the Governing Board for the promotion of research and, through special committees, if any constituted for the purpose, to call for reports on such research work from persons engaged therein, and to make recommendations to the Governing Board thereon;
- (iv) to make proposals to the Governing Board regarding provisions to be made for enabling the University to undertake specialization of studies and for organization of common laboratories, libraries, museums, institutes of research and other institutions, maintained by the University;
- (v) to advise the Governing Board on institution of degrees, titles, diplomas, certificates and other academic distinctions;
- (vi) to hold and conduct, subject to general supervision by the Governing Board, University examinations and publish the results thereof in accordance with the Regulations made in this regard;
- (vii) to provide for the inspection or the investigation into the affairs of any department and submit report to the Governing Board;
- (viii) to frame guidelines relating to the courses of post-graduate and undergraduate studies and the division of subjects in regard thereto including interdisciplinary or multidisciplinary integrated courses in selected subjects and to recommend to the Governing Board the making of Regulations in this regard;
- (ix) to call for such reports or information as the Faculty Council may consider necessary for efficient discharge of its duties from the teaching departments or the research units;
- (x) to consider any educational matter relating to the Faculty Council and to arrive at a decisions or to make recommendations pertaining thereto to the appropriate authority or officer;
- (xi) to submit each year its annual report to the Governing Board;
- (xii) to consider and approve results of examinations leading to undergraduate and post-graduate degrees, diplomas and certificates;
- (xiii) to recommend to the Governing Board the conferment of undergraduate and post-graduate degrees, diplomas and certificates;

*The University of Engineering and Management,
Kolkata, Act, 2014.*

(Sections 25-28.)

- (xiv) to exercise all other powers and perform all other functions conferred and imposed on it by or under this Act and such other powers as may be provided for by the Statutes which are not repugnant to the provisions of this Act.

Other authorities.

25. (1) There shall be such other authorities in the University as may be constituted by the Governing Board in such manner as may be provided for by the Statutes.

(2) The composition, constitution, powers and functions of such other authorities of the University shall be such as may be provided for by the Statutes.

Regulatory Committee.

26. (1) There shall be a Regulatory Committee to be constituted by the State Government for the purpose of monitoring and regulating the working of the University in such manner as may be prescribed.

(2) The powers and functions of the Regulatory Committee shall be such as may be prescribed by the State Government.

(3) The recommendation of the Regulatory Committee shall be binding on the University.

(4) Until such time the Regulatory Committee is constituted, the West Bengal State Council of Higher Education constituted under the Provisions of the West Bengal State Council of Higher Education Act, 1994, will function as the Regulator for the University.

West Ben. Act
XXXVII of
1994.

Act not to be
invalidated by
reason of
vacancy.

27. No act or proceeding of the Governing Board or any authority of the University or any committee constituted under this Act or the Rules or the Statutes or the Regulations or the Ordinances shall be questioned merely on the ground of the existence of a vacancy in or defect in the constitution of the Governing Board, Authority or Committee of the University.

The First
Statutes.

28. (1) The First Statutes of the University shall provide for all or any of the following matters, namely:—

- (a) the constitution, powers and functions of the authorities and other bodies of the University as may be constituted under this Act;
- (b) the terms and conditions of appointment of the Vice- Chancellor, his powers, functions and removal thereof;
- (c) the manner and procedure including the terms and conditions of appointment of the Registrar, the Law Officer, the Chief Finance Officer and the Controller of Examinations and their powers and functions;
- (d) the manner and procedure including the terms and conditions of appointment of all other officers and teachers of the University and their powers and functions thereof;
- (e) the terms and conditions of service of the employees of the University;
- (f) the procedure for arbitration in case of disputes between officers, teachers, employees and students;
- (g) the conferment of honorary degrees;
- (h) the provisions regarding exemption of students from payment of tuition fee and for awarding to them scholarships and fellowships in consonance with the regulations of relevant Regulatory Body;
- (i) provisions regarding the policy of admissions, including regulation of reservation of seats in consonance with the regulations of relevant Regulatory Body;

*The University of Engineering and Management,
Kolkata, Act, 2014.*

(Sections 29, 30.)

- (j) provisions regarding number of seats in different courses of study; and
- (k) such other provisions as may be necessary in the functioning of the University.

(2) The First Statutes of the University shall be made by the Governing Board and shall be submitted to the State Government for approval.

(3) The State Government may consider the First Statutes as submitted by the University and may give its approval thereon within two months from the date of its receipt and with such modifications if any, as it may deem necessary, for compliance.

Appointment of
teachers and
non-teaching
employees in the
University.

29. (1) The University may create as many posts of teachers and non-teaching employees in the University and may appoint such teachers and non-teaching employees of their own, in consonance with the norms provided by the relevant Regulatory Bodies.

(2) The University shall have the power to make Regulations regarding terms and conditions of service including the procedure of disciplines of the employees of the University, and these shall be consistent with the norms and standards provided by the Regulatory Bodies.

Funds and
accounts of the
University.

30. (1) The University shall establish and constitute a fund to be known as General Fund of the University to which the following shall be credited:—

- (a) fees and other charges received by the University from the students;
- (b) any contribution made by the Sponsoring trust;
- (c) any income received from consultancy and other work undertaken by the University in pursuance of its objectives;
- (d) trusts, bequests, donations, endowments and any other grants; and
- (e) all other sums received by the University from any source whatsoever.

(2) The General Fund of the University may be utilized for the following purposes:—

- (a) for payment of debts including interest charges thereto incurred by the University;
- (b) for upkeep of the assets of the University;
- (c) for the payment of cost of audit of the University;
- (d) for meeting the expenses of any suit or proceedings to which the University is a party;
- (e) for payment of salaries and allowances of the officers and non-teaching employees of the University and members of the teaching and research staff and for payment of any provident fund contribution, gratuity and other benefits to any such officers, employees and members of teaching and research staff;
- (f) for the payment of travelling and other allowances of the members of the Governing Board, the Academic Councils and other authorities so declared under the Statutes of the University and of the members of any committee appointed by any of the authorities or by the Chancellor or the Vice-Chancellor and other officers and employees in performance of official duties, as the case may be, of the University;

*The University of Engineering and Management,
Kolkata, Act, 2014.*

(Sections 31-33.)

- (g) for the payment of fellowships, free-ships, scholarships, assistanceships and other awards to the students belonging to economically weaker sections of the society or research associates or trainees, as the case may be, or to any student otherwise eligible for such awards under the Statutes, Regulations and the Ordinances;
- (h) for the payment of any expense incurred by the University in discharging its functions;
- (i) for payment of cost of capital not exceeding the prevailing bank rate of interest, incurred by the Sponsoring trust for setting up the University and the investment made therefor;
- (j) for the payment of charges and expenditure relating to the consultancy work undertaken by the University in pursuance of this Act; and
- (k) for the payment of any other expenses including service fees payable to any organization charged with the responsibility of providing any specific service, including the managerial services to the University on behalf of the Sponsoring trust, as approved by the Governing Board to be an expense incurred for the purpose of the University.

Endowment
Fund of the
University.

31. (1) The University shall establish an Endowment Fund in the name of the University through a fixed deposit of a minimum of rupees ten crore in a Nationalized Bank, which may be used for the development of the University:

Provided that the Sponsoring trust shall make available the whole Endowment Fund to the Administrator during the process of winding up of the University failing which the same shall be realized from the properties of the University.

(2) The Endowment Fund shall be invested and kept invested until the dissolution of the University.

(3) A security deposit shall be pledged in the name of Higher Education Department, through a fixed deposit of rupees one crore in a Nationalized Bank to be kept as security deposit; interest proceeds of which may be used for the development of the University.

(4) The State Government shall have the power to forfeit the security deposit in such prescribed manner, in case the University contravenes any of the provisions of this Act.

Pension and
Provident Fund.

32. (1) The University shall, with the approval of the Governing Board, constitute for the benefit of the officers, teachers and other employees of the University, in such manner and subject to such terms and conditions as may be provided for by the Regulations, such scheme of pension, provident fund, gratuity and insurance as it may deem fit.

(2) Any provident fund instituted by the University for the benefit of its teachers, officers, or employees shall be governed by the provisions of Provident Funds Act, 1925, as if such fund were a Government Provident Fund and such provident fund may be maintained in a Government Treasury.

19 of 1925.

Annual accounts
and audit.

33. (1) The University shall maintain proper accounts and other relevant records, and prepare an annual statement of accounts including the income and expenditure account and balance sheet, in such form and in such manner as may be provided for by the Regulations.

(2) The University shall adopt a proper system of internal checks and balances and controls in the discharge of its finance, accounting and auditing functions as may be provided for by the Regulations.

*The University of Engineering and Management,
Kolkata, Act, 2014.*

(Sections 34, 35.)

(3) The accounts of the University shall be audited not less than once in every year by a statutory auditor who shall be a Chartered Accountant as defined in the Chartered Accountant Act, 1949, as may be appointed by the Governing Board. 38 of 1949.

(4) The annual statement of accounts shall, together with copies of the audit report be submitted to the Governing Board and to the State Government and shall thereupon be published by the Governing Board.

Admission of students.

34. (1) Admission of students in the University shall be made on the basis of merit.

(2) Merit for admission in the University may be determined either on the basis of marks or grade obtained in the qualifying examination or on the basis of marks or grade obtained in a relevant entrance examination conducted by the University or by Common Entrance Test conducted at the State or National level:

Provided that any achievement in co-curricular activities or extra-curricular activities may be given weightage at the discretion of the University:

Provided further that the admission criteria for specific courses, as prescribed by the concerned Regulatory Bodies, shall be adhered to.

(3) The seats in engineering, technology and management courses in the University or the colleges and other institutions subsumed in the University shall be guided by the existing framework of the All India Entrance Examination or the West Bengal Joint Entrance Examinations Board through its state level common entrance test and counselling process until the University opts to work out its own entrance examination framework for admission into the courses as per the decision of the Governing Board.

(4) The University shall keep five *percent* of total intake reserved for filling up with economically weaker persons in the manner as may be notified by the State Government from time to time.

Examinations and results.

35. (1) The University shall at the beginning of each academic session and in any case not later than 31st of August of every calendar year, prepare and publish a semester wise or annual, as the case may be, schedule of examinations for each and every course conducted by it and shall strictly adhere to the schedule.

Explanation.—"Schedule of Examination" means a table giving details about the time, day and dates of the commencement of each paper which is part of a scheme of examinations and shall also include the details about the practical examination:

Provided that if, for any reasons whatsoever, the University has been unable to follow the schedule, it shall, as soon as may be practicable, submit a report, to the State Government incorporating the detailed reasons for making a departure from the published schedule.

(2) The State Government shall have power to issue such directions to the University in removing difficulties in relation to any examination of the University, as it may deem necessary in the interest of the students.

(3) The University shall declare the results of every examination conducted by it within a period of forty-five days from the last date of examination for that particular course:

Provided that if, for any reason whatsoever, the University is unable to finally declare the results of any examination within the aforesaid period of forty-five days, it shall submit a report incorporating the detailed reasons for such delay to the State Government:

*The University of Engineering and Management,
Kolkata, Act, 2014.*

(Sections 36-38.)

Provided further that the State Government may upon considering such report issue such directions to the University as it may deem necessary in the interest of the students.

(4) The University shall have power to award degrees or diplomas or titles or awards or certificates to any person involved in the course of study or in research in the University in accordance with the Regulations as may be framed or upon such terms and conditions as may be provided by the Regulatory Bodies.

Conferment of
degrees,
diplomas and
grant of
certificates by
the University.

36. Notwithstanding anything contained in any other law for the time being in force, the University shall have powers to confer degrees, diplomas, certificates and honorary degrees and other distinctions and titles, as approved by the Governing Board.

Power to
delegate.

37. Subject to the provisions of this Act and the rules made thereunder, any officer or authority of the University may, by order, delegate his or its powers, except the power to make the Statutes, the Regulations or the Ordinances of the University, to any other officer or authority under his or its control and subject to the conditions that the ultimate responsibility for the exercise of the power so delegated shall continue to vest in the officer or authority delegating them.

Powers to make
Regulations.

38. (1) Subject to the provisions of this Act, the Governing Board shall have, in addition to all other powers vested in it, the power to make Regulations to be provided for the administration and management of the affairs of the University.

(2) In particular and without prejudice to the generality and foregoing powers, such Regulations may provide for all or any of the following matters, namely:—

- (i) the summoning and holding of meetings of the authorities of the University other than the first meeting of the Governing Board, the quorum and conduct of business at such meetings;
- (ii) the power and functions to be exercised and discharged by the Chancellor of the University;
- (iii) the constitution, powers and duties of the other authorities, bodies and committees of the University established under this Act, the qualifications and disqualifications for membership of such authorities, bodies and committees, term of office of the membership, appointment and removal of members thereof and other matters connected therewith, and removal of members of the Governing Board, the Academic Council and the Finance Committee;
- (iv) the procedure to be followed by the Governing Board and any Committee or other body constituted under this Act and the Statutes made thereunder, in conducting of their business;
- (v) the procedure and the criteria to be followed in established courses of study and admission of students thereof;
- (vi) the procedure to be followed by enforcing discipline in the University;
- (vii) the management of the properties of the University;
- (viii) the degrees, diplomas, certificates and other academic distinctions and titles which may be conferred or granted by the University and withdrawal or cancellation of any such degrees, diplomas, certificates and other academic distinctions and titles and the requirements thereof;
- (ix) the conduct of examinations including the term of office and appointment of examiners;

*The University of Engineering and Management,
Kolkata, Act, 2014.*

(Sections 39-41.)

- (x) the creation of posts of Professors, Associate Professors, Assistant Professors or **equivalent academic** designations or posts, officers and employees of the University, and the appointment of persons to such posts including the **qualifications requisite** therefor;
- (xi) the fees and other charges which may be paid to the University for the courses, training facilities and services provided by it;
- (xii) the manner and conditions for constitution of insurance, pension and provident funds and such other schemes for the benefit of officers, teachers and other employees of the University;
- (xiii) the terms and conditions applicable for association of the University with other institutions;
- (xiv) the preparation of budget estimates and maintenance of accounts;
- (xv) the mode of execution of contracts or agreement by or on behalf of the University;
- (xvi) the method of recruitment, classification and procedure for appointment of officers and staff of the University;
- (xvii) the terms and conditions governing deputation of officers and staff of the University;
- (xviii) the terms and conditions governing fellowship, scholarship, stipends, medals and prizes;
- (xix) the authentication of the orders and decisions of the Governing Board;
- (xx) the matters relating to hostels and halls of residence including disciplinary control therein;
- (xxi) all other matters which by this Act are to be provided for by the Regulations.

Powers to make rules.

39. (1) Subject to the provisions of this Act, the State Government shall have powers to make rules for the purpose of duly carrying out the provisions of this Act.

(2) Every rules made by the State Government under this Act shall, as soon as they are made, be laid down before the State Legislature while it is in session.

Disqualification.

40. (1) No person shall be qualified for appointment or nomination as a member of any authority or body of the University or shall continue as such member if he:—

- (i) is of unsound mind, or
- (ii) is an undischarged insolvent, or
- (iii) has been convicted by a court of law for an offence involving moral turpitude.

(2) In case of any dispute, the decision of the Chancellor whether a person is disqualified under the provisions of sub-section (1) shall be final.

General powers of the State Government

41. (1) The State Government shall have the power to cause inspection of the University in such manner as may be prescribed and in particular, its buildings, libraries, halls, museums and other infrastructures including the administrative as well as financial functions of the University.

(2) Every inspection shall be made after due notice to the University.

(3) Proceedings of every inspection along with suggestion or advice of the State Government shall be sent to the Governing Board for its necessary action.

*The University of Engineering and Management,
Kolkata, Act, 2014.*

(Sections 42-45.—Schedule A.)

(4) The State Government shall have power to give directions to the University from time to time considering the interest of the students as well as for public interest.

Explanation.—The decision of the State Government shall be final whether a particular issue is related to public interest or the interest of the students.

Powers to
remove
difficulty.

42. The State Government shall have power to remove any difficulty that arises in applying any provisions of this Act.

Report of the
University.

43. The University shall submit a detailed annual report showing its academic performance and other relevant particulars of the University before the State Government within three months of the commencement of every academic year.

Accreditation of
the University.

44. (1) The University shall obtain accreditation from the National Assessment and Accreditation Council or such other body or authority as may be determined by the Central or the State Government or the appropriate Regulatory Body from time to time, within three years of its establishment and communicate the same to the State Government and relevant Regulatory Bodies in writing along with such accreditation certificate.

(2) The University shall ensure renewal of such accreditation from time to time.

Winding up of
the University.

45. (1) The Governing Board in consultation with the Sponsoring trust and the Visitor may recommend to the State Government to dissolve the University by giving notice to this effect in such manner as may be prescribed by the State Government in this behalf, to the employees and students of the University at least one year in advance:

Provided that the University shall not be permitted to serve notice for winding up within a period of ten years from the date of coming into effect of this Act.

(2) The State Government on receiving the notice referred to under sub-section (1) shall appoint an Administrator by replacing the Governing Board and the Chancellor and the Administrator thereafter shall act as the supreme authority during the process of winding up.

(3) The properties of the University as well as the Endowment Fund of the University shall be used by the Administrator during the process of winding up in such manner as may be prescribed.

(4) The dissolution of the University shall have effect only after the last batch of the students of the regular courses have completed their courses and have been awarded degrees, diplomas or awards, as the case may be.

SCHEDULE A

(See sub-section (1) of section 3.)

The Institute of Engineering and Management Trust, an educational trust created vide Deed No. 1137, dated 08.07.1997 and registered before the Additional District Sub-Registrar, Bidhannagar, Salt Lake, Kolkata, and subsequently modified vide Deeds No. 5456 dated 04.10.2008, 1526 dated 30.03.2009 registered before the Additional District Sub-Registrar, Registrar of Assurance, Kolkata.

*The University of Engineering and Management,
Kolkata, Act, 2014.*

(Schedule B.)

SCHEDULE B

(See sub-section (1) of section 4.)

Schedule of Land

All that piece and parcels of land measuring about 3.00 acres, appertaining to Plot No. III-B/5 in street no. 3333 MAR (East West) situated in New Town, Police Station New Town, District North 24-Parganas.

Schedule of Building

All that pucca (cemented) constructed building situated in the land mentioned in the Schedule B and transferred to the University absolutely.

By order of the Governor,

SIDDHARTHA CHATTOPADHYAY,
*Secy.-in-Charge to the Govt. of West Bengal,
Law Department.*

Appendix 4.3

**Details of two batches admitted for the AY2019-20 &
2020-21**

Admission Batch 2020-21

Enrol.No	First Name	Middle Name	Last Name	Subject	Degree	CollegeNo
12020003008001	SUCHUSMITA		KARMAKAR	B.B.A	B.B.A	1
12020003008003	DEBINA		PRAMANIK	B.B.A	B.B.A	2
12020003008004	PROTYUSHA		HAZRA	B.B.A	B.B.A	3
12020003008005	AFREEN		AHMED	B.B.A	B.B.A	4
12020003008006	ANNIE		SHAW	B.B.A	B.B.A	5
12020003008008	ANIK		MAZUMDER	B.B.A	B.B.A	6
12020003008009	ARITRA		GUPTA	B.B.A	B.B.A	7
12020003008010	ROHAN		SEN	B.B.A	B.B.A	8
12020003008011	ROHIT		DAS	B.B.A	B.B.A	9
12020003008012	DEBASISH		BHATTA	B.B.A	B.B.A	10
12020003008013	PUNARJYOTI		BERA	B.B.A	B.B.A	11
12020003008014	SOUMIK		BHOWMICK	B.B.A	B.B.A	12
12020003008015	JAYSMITA		BISWAS	B.B.A	B.B.A	13
12020003008016	NILOY		PATHAK	B.B.A	B.B.A	14
12020003008017	DAYNA		DHALI	B.B.A	B.B.A	15
12020003008018	ARITRA		BANERJEE	B.B.A	B.B.A	16
12020003008019	SURYATANAY		DEY	B.B.A	B.B.A	17
12020003008020	ANIRBAN		CHATTERJEE	B.B.A	B.B.A	18
12020003008021	RUPENDU		MUKHERJEE	B.B.A	B.B.A	19
12020003008022	SOHAM	BASU	ROY	B.B.A	B.B.A	20
12020003008023	ANJUMAN		YASMIN	B.B.A	B.B.A	21
12020003008024	SHREYA		CHOWDHURY	B.B.A	B.B.A	22
12020003008025	AVISEK		SARKAR	B.B.A	B.B.A	23
12020003008026	AVIRUP		SENGUPTA	B.B.A	B.B.A	24
12020003008027	ANSHU	DEB	DAS	B.B.A	B.B.A	25
12020003008028	TITLI		GUPTA	B.B.A	B.B.A	26
12020003008029	PARTHA	DAS	GUPTA	B.B.A	B.B.A	27
12020003008030	SOHAN		CHATTERJEE	B.B.A	B.B.A	28
12020003008031	TIRTHARAJ		SEN	B.B.A	B.B.A	29
12020003008032	SUJOY		BOSE	B.B.A	B.B.A	30
12020003008033	DISHA		HALDER	B.B.A	B.B.A	31
12020003008034	ANIRUDDHA		SARKAR	B.B.A	B.B.A	32
12020003008035	SAKET	DUTT	DWARY	B.B.A	B.B.A	33
12020003008036	APARUP		GHOSH	B.B.A	B.B.A	34
12020003008037	RAJ		NAYAK	B.B.A	B.B.A	35
12020003008038	SOUMYAJIT		GHOSH	B.B.A	B.B.A	36
12020003008039	ANKUSH		KARMAKAR	B.B.A	B.B.A	37
12020003008040	SOMRICK		MALLICK	B.B.A	B.B.A	38
12020003008041	SHIVANGI		SAHA	B.B.A	B.B.A	39
12020003008042	JYOTI		SARKAR	B.B.A	B.B.A	40
12020003008043	ROSEN		KISKU	B.B.A	B.B.A	41
12020003008044	SHAYEM		SK	B.B.A	B.B.A	42
12020003008045	MD	FARDIN	AHMED	B.B.A	B.B.A	43
12020003008046	SAYAN		MUKHERJEE	B.B.A	B.B.A	44
12020003008047	BEDANTIKA		DAS	B.B.A	B.B.A	45
12020003008048	ANURAG		KUNDU	B.B.A	B.B.A	46
12020003008049	PRABHAS		NATH	B.B.A	B.B.A	47
12020003008050	SOUVIK		PAUL	B.B.A	B.B.A	48
12020003008051	PRIYOJEET		PURKAIT	B.B.A	B.B.A	49
12020003008052	ROHIT		CHOUDHARY	B.B.A	B.B.A	50
12020003008053	SAYAN		PODDAR	B.B.A	B.B.A	51
12020003008054	AYUSH		PAUL	B.B.A	B.B.A	52
12020003008055	SAYAN		KUNDU	B.B.A	B.B.A	53
12020003008056	DEBANJAN		SAHA	B.B.A	B.B.A	54

12020003008057	NILAM		VERMA	B.B.A	B.B.A	55
12020003008058	VAIBHAV		PANJIAR	B.B.A	B.B.A	56
12020003008059	SOUNAK		ROY	B.B.A	B.B.A	57
12020003008060	SHIVANSHU		SINGH	B.B.A	B.B.A	58
12020003008061	SNEHA		SAHOO	B.B.A	B.B.A	59
12020003008062	NEHA		BHARDWAJ	B.B.A	B.B.A	60
12020003008063	ANU		PANDIT	B.B.A	B.B.A	61
12020003008064	NILADRI		DAS	B.B.A	B.B.A	62
12020003008065	NEHA		DEBNATH	B.B.A	B.B.A	63
12020003008066	AYUSH	KUMAR	GUPTA	B.B.A	B.B.A	64
12020003008067	MD	RASHID	ALI	B.B.A	B.B.A	65
12020003008068	KUNTAL		CHAKRABORTY	B.B.A	B.B.A	66
12020003008070	BIRENDRA		RAJAK	B.B.A	B.B.A	67
12020003008071	SUDIPTA		DHALI	B.B.A	B.B.A	68
12020003008072	RANITA		DAS	B.B.A	B.B.A	69
12020003008073	SREELINA		SENGUPTA	B.B.A	B.B.A	70
12020003008074	ARJUN		PRADEEPAN	B.B.A	B.B.A	71
12020003008075	ASTHA		VERMA	B.B.A	B.B.A	72
12020003008076	NANDKISHOR	KUMAR	MANDAL	B.B.A	B.B.A	73
12020003008077	MAINAK		GARAI	B.B.A	B.B.A	74
12020003008078	NIRNAY		GUIN	B.B.A	B.B.A	75
12020003008079	ABID	NAWAB	KHAN	B.B.A	B.B.A	76
12020003008080	MOUMITA		BHOWMIK	B.B.A	B.B.A	77
12020003008081	RAJESH	KUMAR	SHAW	B.B.A	B.B.A	78
12020003008082	PRATIK		PAL	B.B.A	B.B.A	79
12020003008083	TANMAY		DAS	B.B.A	B.B.A	80
12020003008084	ANGANA		MAITRA	B.B.A	B.B.A	81
12020003008085	ARIJIT		RAHA	B.B.A	B.B.A	82
12020003008086	SANDIP		SEN	B.B.A	B.B.A	83
12020003008087	ANKIT		HEMBROM	B.B.A	B.B.A	84
12020003008088	KOUSHIKI		BANDYOPADHYA Y	B.B.A	B.B.A	85
12020003008089	ANUDIP		PAUL	B.B.A	B.B.A	86
12020003008090	ANUSHKA		CHOUDHURY	B.B.A	B.B.A	87
12020003008091	RITIKKUMAR	PRABHU	SHARMA	B.B.A	B.B.A	88
12020003008092	TUHIN		PAUL	B.B.A	B.B.A	89
12020003008093	AYAN		BASAK	B.B.A	B.B.A	90
12020003008094	ARPAN		ROY	B.B.A	B.B.A	91
12020003008095	MAINAK		SIKDER	B.B.A	B.B.A	92
12020003008096	SOUMYAJEET		PAUL	B.B.A	B.B.A	93
12020003008097	ARSHAM		RAHMAN	B.B.A	B.B.A	94
12020003008098	SABNAM		HASINA	B.B.A	B.B.A	95
12020003008099	HARSH		JAISWAL	B.B.A	B.B.A	96
12020003008100	DEEP		JANA	B.B.A	B.B.A	97
12020003008101	SAMRIDHI		TIWARI	B.B.A	B.B.A	98
12020003008102	SHUVOJIT		SARKAR	B.B.A	B.B.A	99
12020003008103	SUSMITA		CHAKRABORTY	B.B.A	B.B.A	100
12020003008104	BISHAL		SHSH	B.B.A	B.B.A	101
12020003008105	AADIL	OMER	CHOWDHURY	B.B.A	B.B.A	102
12020003008106	NILANJEET		DAS	B.B.A	B.B.A	103
12020003008107	APURBA		BHATTACHARYA	B.B.A	B.B.A	104
12020003008109	ANUJ		SHANDILYA	B.B.A	B.B.A	105
12020003008110	SHREYA		MITRA	B.B.A	B.B.A	106
12020003008111	ANURAG		KUJUR	B.B.A	B.B.A	107
12020003008112	SOHAM		SAHA	B.B.A	B.B.A	108
12020003008113	SHAMBABRATA		BHATTACHARJEE	B.B.A	B.B.A	109
12020003008114	RAJYASHREE		DUTTA	B.B.A	B.B.A	110

12020003008115	SK		SUJAUDDIN	B.B.A	B.B.A	111
12020003008116	TRISHA		SAHA	B.B.A	B.B.A	112
12020003008117	ROHAN		KUMAR	B.B.A	B.B.A	113
12020003008118	AMIT		MONDAL	B.B.A	B.B.A	114
12020003008119	SHUBHAM		MANGLAM	B.B.A	B.B.A	115
12020003008120	SAIKAT		PRAMANICK	B.B.A	B.B.A	116
12020003008121	ROHAN		CHAKRABORTY	B.B.A	B.B.A	117
12020003008122	ANISHA		KHATUN	B.B.A	B.B.A	118
12020003008123	SACHIN		YADAV	B.B.A	B.B.A	119
12020003008124	RAHUL		GHOSH	B.B.A	B.B.A	120
12020014020001	SHAINA		SENGUPTA	LLB	B.B.A-L.L. B	1
12020014020002	SIDRAH		SHABBIR	LLB	B.B.A-L.L. B	2
12020014020003	KUMAR		SATYAM	LLB	B.B.A-L.L. B	3
12020014020004	RUPNATH		MALLICK	LLB	B.B.A-L.L. B	4
12020014020005	AADREESHA		DAS	LLB	B.B.A-L.L. B	5
12020014020006	DEBDOOT		SARKAR	LLB	B.B.A-L.L. B	6
12020014020007	ISHAN		DUTTA	LLB	B.B.A-L.L. B	7
12020014020009	SOHAM		PAL	LLB	B.B.A-L.L. B	8
12020014020010	NIRUPAM		SUTRADHAR	LLB	B.B.A-L.L. B	9
12020014020011	MAINAK		NANDI	LLB	B.B.A-L.L. B	10
12020014020012	ANUSHKA		PAUL	LLB	B.B.A-L.L. B	11
12020014020013	SOHENI		MANDAL	LLB	B.B.A-L.L. B	12
12020014020014	ABHISHEK		SADHUKHAN	LLB	B.B.A-L.L. B	13
12020014020015	DEBRUP		CHOWDHURY	LLB	B.B.A-L.L. B	14
12020014020016	TRIPTAN		DUTTA	LLB	B.B.A-L.L. B	15
12020014020017	AVISHIKTA		CHATTERJEE	LLB	B.B.A-L.L. B	16
12020014020018	SOHAM		CHAKRAVARTY	LLB	B.B.A-L.L. B	17
12020014020020	RAJDEEP		MITRA	LLB	B.B.A-L.L. B	18
12020014020021	KHUSHI		PANDEY	LLB	B.B.A-L.L. B	19
12020014020022	SOUMADEEP		ROY	LLB	B.B.A-L.L. B	20
12020014020023	UJAN		BORMAN	LLB	B.B.A-L.L. B	21
12020014020024	NABIN	KUMAR	LAKRA	LLB	B.B.A-L.L. B	22
12020014020025	SHRUTI		TARAFDER	LLB	B.B.A-L.L. B	23
12020014020026	MEGHNA		CHAKRABORTY	LLB	B.B.A-L.L. B	24
12020014020027	AADRITY		BHATTACHARIA	LLB	B.B.A-L.L. B	25
12020014020029	AYUSH		CHAKRABARTY	LLB	B.B.A-L.L. B	26
12020014020031	SNEHATIT		SETT	LLB	B.B.A-L.L. B	27
12020014020032	NISHA		KUMARI	LLB	B.B.A-L.L. B	28

12020014020035	ARNAB		GHOSH	LLB	B.B.A-L.L. B	29
12020014020038	NIHARIKA		DEY	LLB	B.B.A-L.L. B	30
12020004009001	SUMANA		KHAN	B.C.A	B.C.A	1
12020004009002	PRITAM		CHAKRABORTY	B.C.A	B.C.A	2
12020004009003	NITIN		JAIN	B.C.A	B.C.A	3
12020004009004	BIVABASU		MAJUMDAR	B.C.A	B.C.A	4
12020004009005	SUBHAJEET		BAGCHI	B.C.A	B.C.A	5
12020004009006	DEBANGSHU		ACHARYYA	B.C.A	B.C.A	6
12020004009007	PRITHA	ROY	CHOWDHURY	B.C.A	B.C.A	7
12020004009008	SUBHAMOY		KOLYA	B.C.A	B.C.A	8
12020004009009	SUBHORAJ		SAHA	B.C.A	B.C.A	9
12020004009010	AKASH		GHOSH	B.C.A	B.C.A	10
12020004009011	MUSKAN		PATEL	B.C.A	B.C.A	11
12020004009012	DEBDUT		GHOSH	B.C.A	B.C.A	12
12020004009013	PRIYAM		CHOWDHURY	B.C.A	B.C.A	13
12020004009014	HARSH		GUPTA	B.C.A	B.C.A	14
12020004009015	ANUSKA		MUKHERJEE	B.C.A	B.C.A	15
12020004009016	RITISH		GUPTA	B.C.A	B.C.A	16
12020004009017	ADNAN		REZA	B.C.A	B.C.A	17
12020004009018	RISHAV		CHAKRABORTY	B.C.A	B.C.A	18
12020004009019	ROMIT		KHANRA	B.C.A	B.C.A	19
12020004009020	KRISHANU		HALDER	B.C.A	B.C.A	20
12020004009021	PAULASTYA		DEY	B.C.A	B.C.A	21
12020004009022	ADITI		PRASAD	B.C.A	B.C.A	22
12020004009023	SAYANIKA		DEY	B.C.A	B.C.A	23
12020004009024	SANDIPAN		CHOWDHURY	B.C.A	B.C.A	24
12020004009025	ANANYA		BANERJEE	B.C.A	B.C.A	25
12020004009026	JOYDEEP		DEY	B.C.A	B.C.A	26
12020004009027	SAURADEEP		DAS	B.C.A	B.C.A	27
12020004009028	SANDEEP		SINGH	B.C.A	B.C.A	28
12020004009029	RATNADEEP		SAMANTA	B.C.A	B.C.A	29
12020004009030	ROHAN		MODAK	B.C.A	B.C.A	30
12020004009031	MAYUKH		KARMAKAR	B.C.A	B.C.A	31
12020004009032	SNEHASISH		ROY	B.C.A	B.C.A	32
12020004009033	ANISHA		CHAKRABORTY	B.C.A	B.C.A	33
12020004009034	SOUMILI		PAL	B.C.A	B.C.A	34
12020004009035	AKASH		SAHU	B.C.A	B.C.A	35
12020004009036	RAJDEEP		GHOSH	B.C.A	B.C.A	36
12020004009037	SOAHAM		SARKAR	B.C.A	B.C.A	37
12020004009038	AMIT		MAHATO	B.C.A	B.C.A	38
12020004009039	SRIJIT		SADHUKHAN	B.C.A	B.C.A	39
12020004009040	SNEHAL		GUPTA	B.C.A	B.C.A	40
12020004009041	DEBARATI		SEN	B.C.A	B.C.A	41
12020004009042	SOUTIK		SADHUKHAN	B.C.A	B.C.A	42
12020004009043	SUBHAYAN		ROY	B.C.A	B.C.A	43
12020004009044	BISHNUDEV		CHOWDHURY	B.C.A	B.C.A	44
12020004009045	SHOURYA		SADHUKHAN	B.C.A	B.C.A	45
12020004009046	SOUMYADEEP		DAS	B.C.A	B.C.A	46
12020004009047	KHUSHI		DUGAR	B.C.A	B.C.A	47
12020004009048	SHAGNIK		SAMADDER	B.C.A	B.C.A	48
12020004009049	NANDITA		CHUAN	B.C.A	B.C.A	49
12020004009050	RUDRADEEP		DEBNATH	B.C.A	B.C.A	50
12020004009051	MIHIR	KUMAR	GUPTA	B.C.A	B.C.A	51
12020004009052	GOURAV		PATHAK	B.C.A	B.C.A	52
12020004009053	TAPABRATA		SINGHA	B.C.A	B.C.A	53

12020004009054	SNEHA		DAS	B.C.A	B.C.A	54
12020004009055	KINJAL		GHOSH	B.C.A	B.C.A	55
12020004009056	SAUVICK		PRAMANICK	B.C.A	B.C.A	56
12020004009057	PROUMIK		MONDAL	B.C.A	B.C.A	57
12020004009058	PRATEEK	KUMAR	SINGH	B.C.A	B.C.A	58
12020004009059	SOUHARDYA		GHOSH	B.C.A	B.C.A	59
12020004009060	DEBANGI		BASU	B.C.A	B.C.A	60
12020004009061	SAYAN		BOSE	B.C.A	B.C.A	61
12020004009062	SOUMADIP		DUTTA	B.C.A	B.C.A	62
12020004009063	SUKANTA		SHARMA	B.C.A	B.C.A	63
12020004009064	INDRANIL		GOSWAMI	B.C.A	B.C.A	64
12020004009065	TISA		DUTTA	B.C.A	B.C.A	65
12020004009066	SWARNENDU		BOSE	B.C.A	B.C.A	66
12020004009067	DEBOMITA		CHAKLADAR	B.C.A	B.C.A	67
12020004009068	SAHEB		DAS	B.C.A	B.C.A	68
12020004009069	SOUNAK		DAS	B.C.A	B.C.A	69
12020004009070	KUSAL		PATRA	B.C.A	B.C.A	70
12020004009071	SUPRATIM		MITRA	B.C.A	B.C.A	71
12020004009072	SAYANTAN		JOARDAR	B.C.A	B.C.A	72
12020004009073	UJAN		BHATTACHARJEE	B.C.A	B.C.A	73
12020004009074	ADITYA		JHA	B.C.A	B.C.A	74
12020004009075	SURAJ		GUPTA	B.C.A	B.C.A	75
12020004009076	ISPITA		MAJUMDER	B.C.A	B.C.A	76
12020004009077	SUVAYAN		SARKAR	B.C.A	B.C.A	77
12020004009078	RANIT		PAUL	B.C.A	B.C.A	78
12020004009079	ANURAG		GHOSH	B.C.A	B.C.A	79
12020004009080	PRIYA		DANDAPAT	B.C.A	B.C.A	80
12020004009081	PRIYANSHU		DAS	B.C.A	B.C.A	81
12020004009082	JISHNU		MONDAL	B.C.A	B.C.A	82
12020004009083	RHITOJEET		GHOSH	B.C.A	B.C.A	83
12020004009084	HARSH		KUMAR	B.C.A	B.C.A	84
12020004009085	ABHYAN		MORKAL	B.C.A	B.C.A	85
12020004009086	RHITAM		DAS	B.C.A	B.C.A	86
12020004009087	NAZIMUL		ISLAM	B.C.A	B.C.A	87
12020012021001	SANDIPA		BISWAS	BHM	BHM	1
12020012021002	PIYALI		SAHA	BHM	BHM	2
12020012021003	ANUSHKA		DAS	BHM	BHM	3
12020012021004	GUNGUN		SAHA	BHM	BHM	4
12020012021005	BIDISHA		SAHA	BHM	BHM	5
12020012021006	RITU		SARDAR	BHM	BHM	6
12020012021007	JYOTI		NAYAK	BHM	BHM	7
12020012021009	ISHA		DUTTA	BHM	BHM	8
12020012021010	ESHA		PAUL	BHM	BHM	9
12020012021011	SUDIPTO	KUMAR	KUNDU	BHM	BHM	10
12020012021012	ARPAN		GHOSH	BHM	BHM	11
12020012021013	ARNAB		GHOSH	BHM	BHM	12
12020012021014	RAHUL		SHAW	BHM	BHM	13
12020012021015	SUTANU		DATTA	BHM	BHM	14
12020012021016	KAMESH		MANASWAMY	BHM	BHM	15
12020012021017	SNEHA		DEB	BHM	BHM	16
12020012021019	GITASHREE		SAMANTA	BHM	BHM	17
12020012021020	JOTI		BHOWMICK	BHM	BHM	18
12020012021021	ARNAB		MONDAL	BHM	BHM	19
12020003008125	ABHISHEK		ROY	BHM	BHM	20
12020003008126	AJAY		SINGH	BHM	BHM	21
12020003008127	MADHUSREE		SAMANTA	BHM	BHM	22

12020009012001	RAJARSHI		RAY	BioTech	B.Tech	1
12020009012002	SANMITRO		BHATTACHERJEE	BioTech	B.Tech	2
12020009012003	DEBARATI		CHATTERJEE	BioTech	B.Tech	3
12020009012004	SRISHTI		CHAKRABORTY	BioTech	B.Tech	4
12020009012005	AGNIVESH		SEN	BioTech	B.Tech	5
12020009012006	MEGHNA		MISHRA	BioTech	B.Tech	6
12020009012007	ANANYA		GUIN	BioTech	B.Tech	7
12020009012008	ADITI		BISWAS	BioTech	B.Tech	8
12020009012009	ARATRIK		ROY	BioTech	B.Tech	9
12020009012010	KEERTI		KESWANI	BioTech	B.Tech	10
12020009012011	DEBANJANA		MAHAPATRA	BioTech	B.Tech	11
12020009012012	SANJUKTA		BHATTACHARYA	BioTech	B.Tech	12
12020009012013	PRITI	SINHA	MAHAPATRA	BioTech	B.Tech	13
12020009012014	SAYANI		BHATTACHARYA	BioTech	B.Tech	14
12020009012015	ANUBRATA		BIT	BioTech	B.Tech	15
12020009012016	ANANYA		CHATTERJEE	BioTech	B.Tech	16
12020009012017	MANOSWINEE		BHATTACHARYA	BioTech	B.Tech	17
12020009012018	SUMANA		PAUL	BioTech	B.Tech	18
12020009012019	ANIRBAN		DAS	BioTech	B.Tech	19
12020009012020	CAMELLIA		MAZUMDER	BioTech	B.Tech	20
12020009012021	SURAVI		DATTA	BioTech	B.Tech	21
12020009012022	ARUNDHUTI		MUKHERJEE	BioTech	B.Tech	22
12020009012023	BAISHAKHI		SINHA	BioTech	B.Tech	23
12020009012024	ROHAN		MURMU	BioTech	B.Tech	24
12020009012025	ANUSHKA		DUTTA	BioTech	B.Tech	25
12020009012026	EKTA		SINGH	BioTech	B.TECH	26
12020009012027	ESHAA		BISWAS	BioTech	B.Tech	27
12020009012028	AYAN		ADHIKARY	BioTech	B.Tech	28
12020009012029	ANUSKA		DUTTA	BioTech	B.Tech	29
12020009012030	MAINAK		SARKAR	BioTech	B.Tech	30
12020009028001	SUBHAM		DAS	C.S.E(A.I.M. L.)	B.Tech	1
12020009001317	SAYAN		MUKHERJEE	C.S.E(A.I.M. L.)	B.Tech	2
12020009028002	ANUSHKA		SEAL	C.S.E(A.I.M. L.)	B.Tech	3
12020009028003	DAIPAYAN		SAHA	C.S.E(A.I.M. L.)	B.Tech	4
12020009028004	DEBJYOTI		DUTTA	C.S.E(A.I.M. L.)	B.Tech	5
12020009028005	SRIJITA		GHOSH	C.S.E(A.I.M. L.)	B.Tech	6
12020009028006	AVIGYAN		BASU	C.S.E(A.I.M. L.)	B.Tech	7
12020009028007	SOUMYADEEP		DE	C.S.E(A.I.M. L.)	B.Tech	8
12020009028008	SUCHANDRA		DHAR	C.S.E(A.I.M. L.)	B.Tech	9
12020009028009	KESHAB		KAUSHAL	C.S.E(A.I.M. L.)	B.Tech	10
12020009028010	SOUMI		ROY	C.S.E(A.I.M. L.)	B.Tech	11
12020009028011	RITESH		BANERJEE	C.S.E(A.I.M. L.)	B.Tech	12
12020009028012	SUNAYAN		BHAKTA	C.S.E(A.I.M. L.)	B.Tech	13

12020009028013	SUBHODEEP		SARKAR	C.S.E(A.I.M. L.)	B.Tech	14
12020009028014	SAYAK		SENGUPTA	C.S.E(A.I.M. L.)	B.Tech	15
12020009028015	AMIT		GHOSH	C.S.E(A.I.M. L.)	B.Tech	16
12020009028016	ANUBHAV		DUBEY	C.S.E(A.I.M. L.)	B.Tech	17
12020009001155	GARGI		GHOSH	C.S.E(A.I.M. L.)	B.Tech	18
12020009028017	PRATYUSH	SEN	SHARMA	C.S.E(A.I.M. L.)	B.Tech	19
12020009028018	SUBIR	KUMAR	DAS	C.S.E(A.I.M. L.)	B.Tech	20
12020009028019	SOUJANYA		DAS	C.S.E(A.I.M. L.)	B.Tech	21
12020009028020	ANKUSH	ROY	CHOWDHURY	C.S.E(A.I.M. L.)	B.Tech	22
12020009028021	NILESH		CHATURVEDI	C.S.E(A.I.M. L.)	B.Tech	23
12020009028022	ANANYA		PAL	C.S.E(A.I.M. L.)	B.Tech	24
12020009028023	PRINCE		KUMAR	C.S.E(A.I.M. L.)	B.Tech	25
12020009028024	AAKARSHAN		JHA	C.S.E(A.I.M. L.)	B.Tech	26
12020009028025	SUDIPTA		MONDAL	C.S.E(A.I.M. L.)	B.Tech	27
12020009028026	DEBALINA		DASGUPTA	C.S.E(A.I.M. L.)	B.Tech	28
12020009028027	SHREYA		JASH	C.S.E(A.I.M. L.)	B.Tech	29
12020009028028	PRANAB		SAHA	C.S.E(A.I.M. L.)	B.Tech	30
12020009028029	PAHEL		SINGH	C.S.E(A.I.M. L.)	B.Tech	31
12020009028030	ATUL		KISHORE	C.S.E(A.I.M. L.)	B.Tech	32
12020009028031	SOHAM		CHAKRABORTY	C.S.E(A.I.M. L.)	B.Tech	33
12020009028032	ABHIRUP		DAS	C.S.E(A.I.M. L.)	B.Tech	34
12020009028033	SOUMYAJEET		CHATTERJEE	C.S.E(A.I.M. L.)	B.Tech	35
12020009028034	SANI	SUHAN	ABEDIN	C.S.E(A.I.M. L.)	B.Tech	36
12020009028035	RUPKATHA		SARKAR	C.S.E(A.I.M. L.)	B.Tech	37
12020009028036	KRISHANU		GHOSH	C.S.E(A.I.M. L.)	B.Tech	38
12020009028037	SOUMYA		BISWAS	C.S.E(A.I.M. L.)	B.Tech	39
12020009028038	SUVAM		DEBNATH	C.S.E(A.I.M. L.)	B.Tech	40
12020009028039	SHIVAM		KUMAR	C.S.E(A.I.M. L.)	B.Tech	41
12020009028040	AKASH		KUNDU	C.S.E(A.I.M. L.)	B.Tech	42
12020009028041	SHAUVIK		ROY	C.S.E(A.I.M. L.)	B.Tech	43

12020009028042	PRITAM		DATTA	C.S.E(A.I.M. L.)	B.Tech	44
12020009028044	SATWICK	VIDYANAND	SAH	C.S.E(A.I.M. L.)	B.Tech	45
12020009028045	SRIJAN		BANDYOPADHYA Y	C.S.E(A.I.M. L.)	B.Tech	46
12020009028046	PRITAM		NAG	C.S.E(A.I.M. L.)	B.Tech	47
12020009028047	SUDIPTA		GHOSH	C.S.E(A.I.M. L.)	B.Tech	48
12020009028048				C.S.E(A.I.M. L.)	B.Tech	49
12020009028049	ARITRO		PAUL	C.S.E(A.I.M. L.)	B.Tech	50
12020009028050	ARCHISHMAN		SENGUPTA	C.S.E(A.I.M. L.)	B.Tech	51
12020009028051	SHREYA		SAHA	C.S.E(A.I.M. L.)	B.Tech	52
12020009028052	ROUNAB		BISWAS	C.S.E(A.I.M. L.)	B.Tech	53
12020009028053	SOUVIK		DAS	C.S.E(A.I.M. L.)	B.Tech	54
12020009028054	RISHAB		AGARWAL	C.S.E(A.I.M. L.)	B.Tech	55
12020009028055	KOUSTAV		SAMANTA	C.S.E(A.I.M. L.)	B.Tech	56
12020009028056	HRISHIN		DEY	C.S.E(A.I.M. L.)	B.Tech	57
12020009028058	UDAY		DAS	C.S.E(A.I.M. L.)	B.Tech	58
12020009028059	ANIRBAN		GHOSH	C.S.E(A.I.M. L.)	B.Tech	59
12020009028060	MOULISREE		KARMAKAR	C.S.E(A.I.M. L.)	B.Tech	60
12020009029001	MADHUPARNA		DAS	C.S.E(I.O.T)	B.Tech	1
12020009029051	ARYAMAN		MANNA	C.S.E(I.O.T)	B.Tech	2
12020009029002	AMIYENDRA		SARKAR	C.S.E(I.O.T)	B.Tech	3
12020009029003	SUPRATIK		SAHA	C.S.E(I.O.T)	B.Tech	4
12020009029004	SOUVIK		MUKHERJEE	C.S.E(I.O.T)	B.Tech	5
12020009029005	DHIMOYEE		DE	C.S.E(I.O.T)	B.Tech	6
12020009029006	ADIT		SARKAR	C.S.E(I.O.T)	B.Tech	7
12020009029007	MD		FUZAIL	C.S.E(I.O.T)	B.Tech	8
12020009029008	JYOTIRMOY		ROY	C.S.E(I.O.T)	B.Tech	9
12020009029009	ARYA		NATH	C.S.E(I.O.T)	B.Tech	10
12020009029010	ANJUSHREE		SEN	C.S.E(I.O.T)	B.Tech	11
12020009029011	LABANI		JASH	C.S.E(I.O.T)	B.Tech	12
12020009029012	SNEHA		BHATTACHARYA	C.S.E(I.O.T)	B.Tech	13

12020009029013	AISHIK		MITRA	C.S.E(I.O.T)	B.Tech	14
12020009029014	SOUMYASREE		PAUL	C.S.E(I.O.T)	B.Tech	15
12020009029015	SOUMYADEEP		ROY	C.S.E(I.O.T)	B.Tech	16
12020009029016	SAYANTAN		MARIK	C.S.E(I.O.T)	B.Tech	17
12020009029017	SOURAV		GANGOPADHYAY	C.S.E(I.O.T)	B.Tech	18
12020009029018	NIRMALYA		CHATTERJEE	C.S.E(I.O.T)	B.Tech	19
12020009029019	KOUSHANEE		GHOSH	C.S.E(I.O.T)	B.Tech	20
12020009029020	RUPAI		DUTTA	C.S.E(I.O.T)	B.Tech	21
12020009029021	SAYANI		DAS	C.S.E(I.O.T)	B.Tech	22
12020009029022	RIYA		JANA	C.S.E(I.O.T)	B.Tech	23
12020009029023	SHREYAM		KONER	C.S.E(I.O.T)	B.Tech	24
12020009029024	ANOM		CHAKRAVORTY	C.S.E(I.O.T)	B.Tech	25
12020009029025	SHRABASTI		CHAKRABORTY	C.S.E(I.O.T)	B.Tech	26
12020009029026	KUNTAL		BHATTACHARYYA	C.S.E(I.O.T)	B.Tech	27
12020009029027	PRANAY	KUMAR	SINGHA	C.S.E(I.O.T)	B.Tech	28
12020009029028	SHREYA		MAITI	C.S.E(I.O.T)	B.Tech	29
12020009029029	AMRITA		ROY	C.S.E(I.O.T)	B.Tech	30
12020009029030	KOUSTOV		KHAMARU	C.S.E(I.O.T)	B.Tech	31
12020009029031	SURENDRA	MOHAN	JHA	C.S.E(I.O.T)	B.Tech	32
12020009029032	JYOTI		GHOSH	C.S.E(I.O.T)	B.Tech	33
12020009029033	SASWATA		HALDER	C.S.E(I.O.T)	B.Tech	34
12020009029034	SUBHADEEP		SAMANTA	C.S.E(I.O.T)	B.Tech	35
12020009029035	ANGSHUMAN		PATHAK	C.S.E(I.O.T)	B.Tech	36
12020009029037	KRISHANU		ROY	C.S.E(I.O.T)	B.Tech	37
12020009029038	SHOVANDEV		MANDAL	C.S.E(I.O.T)	B.Tech	38
12020009029039	ALOKENDU		GHOSH	C.S.E(I.O.T)	B.Tech	39
12020009029040	RAJDEEP		VARMA	C.S.E(I.O.T)	B.Tech	40
12020009029041	RIVU		NASKAR	C.S.E(I.O.T)	B.Tech	41
12020009029042	ARKA		DAS	C.S.E(I.O.T)	B.Tech	42
12020009029043	ABHIRUP		TALUKDER	C.S.E(I.O.T)	B.Tech	43

12020009029044	ANUSHKA		BISWAS	C.S.E(I.O.T)	B.Tech	44
12020009029045	NEHAL		PAL	C.S.E(I.O.T)	B.Tech	45
12020009029047	ZEESHAN	ALI	SHAMS	C.S.E(I.O.T)	B.Tech	46
12020009029048	DEBAYAN		BISWAS	C.S.E(I.O.T)	B.Tech	47
12020009029049	ANKITA		SAHA	C.S.E(I.O.T)	B.Tech	48
12020009029050	SK	IMTIAZ	ALI	C.S.E(I.O.T)	B.Tech	49
12020009029052	SAIKAT		SAHU	C.S.E(I.O.T)	B.Tech	50
12020009029053	ANUBHAV	KUMAR	CHOUDHARY	C.S.E(I.O.T)	B.Tech	51
12020009029054	SOURISH		KUNDU	C.S.E(I.O.T)	B.Tech	52
12020009029055	SUBHRANIL		SAHA	C.S.E(I.O.T)	B.Tech	53
12020009029056	AYUSH		MOHATA	C.S.E(I.O.T)	B.Tech	54
12020009029057	ROUNAK		DAS	C.S.E(I.O.T)	B.Tech	55
12020009029058	ASHMITA		MOHANTY	C.S.E(I.O.T)	B.Tech	56
12020009029059	HARPREET	KAUR	GILL	C.S.E(I.O.T)	B.Tech	57
12020009029060	SUMIT		RAY	C.S.E(I.O.T)	B.Tech	58
12020009029069	SNIGDHA		BASAK	C.S.E(I.O.T)	B.Tech	59
12020009029061	NAMRATA		SINGH	C.S.E(I.O.T)	B.Tech	60
12020009027001	ANKUSH		DAWN	CSBS	B.Tech	1
12020009027002	ANUSHKA		BISWAS	CSBS	B.Tech	2
12020009027003	ARIJIT		MUKHERJEE	CSBS	B.Tech	3
12020009027004	AVRANIL		DAS	CSBS	B.Tech	4
12020009027005	BISWAJIT		PAUL	CSBS	B.Tech	5
12020009027006	MONJIMA		LAHIRI	CSBS	B.Tech	6
12020009027007	PRIYANGSU		MONDAL	CSBS	B.Tech	7
12020009027008	SANCHAYAN		KUNDU	CSBS	B.Tech	8
12020009027009	SNEHA		SARKAR	CSBS	B.Tech	9
12020009027010	ANKITA		GHOSH	CSBS	B.Tech	10
12020009027011	RITURAJ		MAITY	CSBS	B.Tech	11
12020009027012	ANJAN		GORAI	CSBS	B.Tech	12
12020003008128	SATYAJEET		AZAD	CSBS	B.Tech	13
12020003008129	TIRUPATI		DEY	CSBS	B.Tech	14
12020003008130	VIVEK		YADAV	CSBS	B.Tech	15
12020003008131	SURAJ	SUNDAR	PATARA	CSBS	B.Tech	16
12020003008132	AMAN	KUMAR	JHA	CSBS	B.Tech	17
12020014020039	SK		SAHIL	CSBS	B.Tech	18
12020009012031	SAMPREETI		CHATTERJEE	CSBS	B.Tech	19
12020009012032	ARINA		GUHA	CSBS	B.Tech	20
12020009012033	SHIVANGI		SHAH	CSBS	B.Tech	21
12020009012034	PALLABI		NATH	CSBS	B.Tech	22
12020009028061	SUMELI		DEBDAS	CSBS	B.Tech	23
12020009028062	ANUSHKA		DAS	CSBS	B.Tech	24

12020009028063	KINGSHUK		MAITY	CSBS	B.Tech	25
12020009028064	NIRMALYA		DAS	CSBS	B.Tech	26
12020009028065	AGNIVA		DAS	CSBS	B.Tech	27
12020009028066	SUPRATIK		MUKHERJEE	CSBS	B.Tech	28
12020009028067	ARANYA		PRADHAN	CSBS	B.Tech	29
12020009028068	SHREYA		GHOSH	CSBS	B.Tech	30
12020009028069	KABIR		SK	CSBS	B.Tech	31
12020009028070	DIBYASANKHA		PAL	CSBS	B.Tech	32
12020009028071	DIPAYAN		MONDAL	CSBS	B.Tech	33
12020009028072	ANKAN		PAUL	CSBS	B.Tech	34
12020009028073	ATISHA		GUPTA	CSBS	B.Tech	35
12020009028074	MONODEEP		SAHA	CSBS	B.Tech	36
12019009001007	ANIK		ROY	CSBS	B.Tech	37
12020009001309	ARPITA		KARMAKAR	CSBS	B.Tech	38
12020009001310	HRITAM		CHAKRABORTY	CSBS	B.Tech	39
12020009001312	PRIYANKA		SAH	CSBS	B.Tech	40
12020009001313	ROHIT	KUMAR	HORE	CSBS	B.Tech	41
12020009023001	INDRAYUDH		BANERJEE	CSIT	B.Tech	1
12020009023002	ARITRAA		BARAT	CSIT	B.Tech	2
12020009023003	DEBADITYA		LAHA	CSIT	B.Tech	3
12020009023004	ANIKET		NAYEK	CSIT	B.Tech	4
12020009023122	ARNAB		NAG	CSIT	B.Tech	5
12020009023005	PRITHWI		DEY	CSIT	B.Tech	6
12020009023006	SIDDHANT		KONAR	CSIT	B.Tech	7
12020009023007	ANURIYA		RAY	CSIT	B.Tech	8
12020009023008	SWAPNANIL		MUKHOPADHYAY	CSIT	B.Tech	9
12020009023009	MOHAN	KUMAR	JANA	CSIT	B.Tech	10
12020009023010	ANIK	GHOSH	DASTIDAR	CSIT	B.Tech	11
12020009023011	AVINASH		MISHRA	CSIT	B.Tech	12
12020009023012	ABHIJIT		MAITY	CSIT	B.Tech	13
12020009023013	KAZI	SHIHAB	JAMAN	CSIT	B.Tech	14
12020009023014	PANKAJ		KUMAR	CSIT	B.Tech	15
12020009001189	ANURAN		DEY	CSIT	B.Tech	16
12020009023015	NILADRI	SEKHAR	MAHATA	CSIT	B.Tech	17
12020009023016	SAGNIK		CHAKRABORTY	CSIT	B.Tech	18
12020009023017	DEVABRATA		SHIL	CSIT	B.Tech	19
12020009023018	SHALINI		GHOSH	CSIT	B.Tech	20
12020009023019	MANOSH		CHAKRABORTY	CSIT	B.Tech	21
12020009023020	ABHIRUP		DE	CSIT	B.Tech	22
12020009023021	KOUSHIK		PATRA	CSIT	B.Tech	23
12020009023022	VIBEKANANAND A		THAKUR	CSIT	B.Tech	24
12020009023023	KOUSHIK		MAITY	CSIT	B.Tech	25
12020009023024	DEBJYOTI		LOW	CSIT	B.Tech	26
12020009023025	SHRUTI		SAHA	CSIT	B.Tech	27
12020009023026	ANKIT		SHRIVASTWA	CSIT	B.Tech	28
12020009023027	TAMOGHNA	KUMAR	PARUA	CSIT	B.Tech	29
12020009023029	ANUBHAB		ROY	CSIT	B.Tech	30
12020009023030	SOUMYADEEP		RAY	CSIT	B.Tech	31
12020009023033	SAIKAT		NAYEK	CSIT	B.Tech	32
12020009023034	SHREYA		SANYAL	CSIT	B.Tech	33
12020009023035	SOUVIK		SARKER	CSIT	B.Tech	34
12020009023036	SHOUNAK		MUKHERJEE	CSIT	B.Tech	35
12020009023037	NAMAN		AGARWAL	CSIT	B.Tech	36
12020009023038	SOUMIK		ROY	CSIT	B.Tech	37
12020009023039	ABHISHEK		DAS	CSIT	B.Tech	38

12020009023040	MD	MOIN	ASHRAF	CSIT	B.Tech	39
12020009023042	SOURMI		BISWAS	CSIT	B.Tech	40
12020009023043	AMLAN		SEN	CSIT	B.Tech	41
12020009023044	SAGNIK		PAL	CSIT	B.Tech	42
12020009023045	AKASH		BAG	CSIT	B.Tech	43
12020009023046	AVIRUP		MUKHERJEE	CSIT	B.Tech	44
12020009023047	SREEDEEP		PAUL	CSIT	B.Tech	45
12020009023048	ACHYUT		SETH	CSIT	B.Tech	46
12020009023049	BRAHMANAND		SWAMI	CSIT	B.Tech	47
12020009023050	CHIRAG		GUPTA	CSIT	B.Tech	48
12020009023051	ARIJIT		BASAK	CSIT	B.Tech	49
12020009023052	ARGHA		PRAMANIK	CSIT	B.Tech	50
12020009023053	SAYAN		PAUL	CSIT	B.Tech	51
12020009023054	ARIJIT		CHOWDHURY	CSIT	B.Tech	52
12020009023055	ROUSHAN		RAJ	CSIT	B.Tech	53
12020009023056	RISHAV	DUTTA	MANIK	CSIT	B.Tech	54
12020009023057	NIRANJAN	KUMAR	SINGH	CSIT	B.Tech	55
12020009023058	VARUN		DOSHI	CSIT	B.Tech	56
12020009023059	SAYAN		DASGUPTA	CSIT	B.Tech	57
12020009023060	SWARAJ		KARMAKAR	CSIT	B.Tech	58
12020009023061	SOHOM		MONDAL	CSIT	B.Tech	59
12020009023062	SAKET		SINGH	CSIT	B.Tech	60
12020009023121	MIHIR		MAHIM	CSIT	B.Tech	61
12020009023063	AYAN		DEBNATH	CSIT	B.Tech	62
12020009023064	ARNAB		DUTTA	CSIT	B.Tech	63
12020009023065	SRISTY		SARKAR	CSIT	B.Tech	64
12020009023066	AVRADIP		DAS	CSIT	B.Tech	65
12020009023067	PRIYANGANA		PANDIT	CSIT	B.Tech	66
12020009023068	SHAYAK		KARAN	CSIT	B.Tech	67
12020009023069	PRIYANSHU		MUKHERJEE	CSIT	B.Tech	68
12020009023070	ABHISHEK		KUMAR	CSIT	B.Tech	69
12020009023071	ARPAN		KUNDU	CSIT	B.Tech	70
12020009023072	MAHFUZ		AHMED	CSIT	B.Tech	71
12020009023073	MD	AALISHAN	RAZA	CSIT	B.Tech	72
12020009023074	MOHANA		DAS	CSIT	B.Tech	73
12020009023075	RAJDEEP		BANERJEE	CSIT	B.Tech	74
12020009023076	RITABAN		BISWAS	CSIT	B.Tech	75
12020009023077	SAKCHHI		PRIYA	CSIT	B.Tech	76
12020009023078	SUBHRANIL		BAURI	CSIT	B.Tech	77
12020009023079	SUMAN		KHAN	CSIT	B.Tech	78
12020009023080	SOURMYA		NASKAR	CSIT	B.Tech	79
12020009023081	AMAR	KUMAR	PANDEY	CSIT	B.Tech	80
12020009023082	ABU		RAHI	CSIT	B.Tech	81
12020009023083	SHUBHADEEP		NANDI	CSIT	B.Tech	82
12020009023084	ANINDYA		DUTTA	CSIT	B.Tech	83
12020009023085	RITIKA		SINGH	CSIT	B.Tech	84
12020009023087	KUNAL		SEN	CSIT	B.Tech	85
12020009023088	SUJASH		BANERJEE	CSIT	B.Tech	86
12020009023090	SAIKAT		BHOWAL	CSIT	B.Tech	87
12020009023091	SOURIN		KAR	CSIT	B.Tech	88
12020009023092	VAIBHAV		KUMAR	CSIT	B.Tech	89
12020009023093	RANAJAY		DEB	CSIT	B.Tech	90
12020009023094	SATYAM	KR	PANDEY	CSIT	B.Tech	91
12020009023096	MD	WASIM	EKRAM	CSIT	B.Tech	92
12020009023097	SAHIL	RAJ	PRASAD	CSIT	B.Tech	93
12020009023098	TAPAS		PAUL	CSIT	B.Tech	94
12020009023099	SUBHRAJYOTI		CHAKRABORTY	CSIT	B.Tech	95

12020009023100	ABHIDHEYA			CSIT	B.Tech	96
12020009023101	ARGHA		SIKDER	CSIT	B.Tech	97
12020009023102	CHANDAN		KUMAR	CSIT	B.Tech	98
12020009023103	HARSH	VARDHAN	SINGH	CSIT	B.Tech	99
12020009023104	ARNAB		DEBNATH	CSIT	B.Tech	100
12020009023106	MD		AZAD	CSIT	B.Tech	101
12020009023107	OM		JAISWAL	CSIT	B.Tech	102
12020009023108	RANADIP		BISWAS	CSIT	B.Tech	103
12020009023109	ROHAN		HATI	CSIT	B.Tech	104
12020009023110	TRIPTI		PRASAD	CSIT	B.Tech	105
12020009023111	ZOHEB		AHMED	CSIT	B.Tech	106
12020009023112	UDAY	KUMAR	SHARMA	CSIT	B.Tech	107
12020009023113	MAYANK		KUMAR	CSIT	B.Tech	108
12020009023114	SATYAKI		MONDAL	CSIT	B.Tech	109
12020009023115	TANYA		SINHA	CSIT	B.Tech	110
12020009023116	AYAN		RATH	CSIT	B.Tech	111
12020009023117	ANKIT		PODDAR	CSIT	B.Tech	112
12020009023119	SHARNA		DUTTA	CSIT	B.Tech	113
12020009023120	MEGHA		GHOSH	CSIT	B.Tech	114
12020009023126	ADITYA		KUMAR	CSIT	B.Tech	115
12020009023124	MD		TABISH	CSIT	B.Tech	116
12020009023127	NATASHA		SARDAR	CSIT	B.Tech	117
12020009023125	ABINASH		SAHANI	CSIT	B.Tech	118
12020009001314	SANCHITA		KARMAKAR	CSIT	B.Tech	119
12020009001315	SHOUBHIK		DAS	CSIT	B.Tech	120
12020009022001	SAGNIK		JANA	CST	B.Tech	1
12020009022002	ARIJIT		BID	CST	B.Tech	2
12020009022003	PRITHWEESH		JOARDAR	CST	B.Tech	3
12020009022004	SOUMIK		BAKSI	CST	B.Tech	4
12020009022005	SHATAWART		AMRIT	CST	B.Tech	5
12020009022006	ANURAG		BAGCHI	CST	B.Tech	6
12020009022007	SUKALPA		BHATTACHARYYA	CST	B.Tech	7
12020009022008	SHRAMANA		BHATTACHARJEE	CST	B.Tech	8
12020009002010	SASWATA		DEY	CST	B.Tech	9
12020009022009	SOUMIK		GOLUI	CST	B.Tech	10
12020009022010	REBANT		LAHIRI	CST	B.Tech	11
12020009022011	AYUSH		MAZUMDAR	CST	B.Tech	12
12020009022012	SWETA		KARAR	CST	B.Tech	13
12020009022013	SUSHMITA		SHAW	CST	B.Tech	14
12020009022014	PAPIYA		CHAKRABORTY	CST	B.Tech	15
12020009022015	EHTESHAM		FARAZ	CST	B.Tech	16
12020009022016	BASABPRIYO		BHATTACHARJEE	CST	B.Tech	17
12020009022017	MD	SALMAN	MULLICK	CST	B.Tech	18
12020009022018	SHAMIK		MUKHERJEE	CST	B.Tech	19
12020009022019	SOUMYAJIT		DAS	CST	B.Tech	20
12020009022020	SUPRATIM		PAUL	CST	B.Tech	21
12020009022021	ARITRYA		CHATTERJEE	CST	B.Tech	22
12020009022022	MANISH		KARMAKAR	CST	B.Tech	23
12020009022023	PRATYAYA		GHOSH	CST	B.Tech	24
12020009022024	RIA		AGARWAL	CST	B.Tech	25
12020009022025	INDRAJIT		SINHA	CST	B.Tech	26
12020009022026	PRADIPTA		PODDER	CST	B.Tech	27
12020009022027	REHAN		AJMAT	CST	B.Tech	28
12020009022028	SUBHAJYOTI		BHOWMIK	CST	B.Tech	29
12020009022029	RIYA		PAUL	CST	B.Tech	30
12020009022030	TRISHA		SAHA	CST	B.Tech	31

12020009022033	ARIGNA		ADHIKARI	CST	B.Tech	32
12020009022034	AGNIVA		MAHATA	CST	B.Tech	33
12020009022035	ARJYAMA		MONDAL	CST	B.Tech	34
12020009022036	SUBHAM		BHAGAT	CST	B.Tech	35
12020009022037	AARON	ANISH	DAS	CST	B.Tech	36
12020009022038	SEEMANTA		DEBDAS	CST	B.Tech	37
12020009022039	SILVIYA		SHARMA	CST	B.Tech	38
12020009022040	SUNRIT		PAUL	CST	B.Tech	39
12020009022041	ARYA		MITRA	CST	B.Tech	40
12020009022042	SOMNATH		ROY	CST	B.Tech	41
12020009022043	SAYANTAN		MUKHERJEE	CST	B.Tech	42
12020009022044	RAHUL		LAHA	CST	B.Tech	43
12020009022045	ARNAB		CHAUDHURI	CST	B.Tech	44
12020009022046	SAMRAT		MUKHERJEE	CST	B.Tech	45
12020009022047	ADITYA		MONDAL	CST	B.Tech	46
12020009022048	RITU		CHOWDHURY	CST	B.Tech	47
12020009022049	SRIDEEP		BASU	CST	B.Tech	48
12020009022050	GOURAB		BANDYOPADHYA Y	CST	B.Tech	49
12020009022051	DEBARGHYA		KAYAL	CST	B.Tech	50
12020009022052	DEBOLINA		MITRA	CST	B.Tech	51
12020009022053	GOPESH		GOSWAMI	CST	B.Tech	52
12020009022054	SUBHAMAY		MIDDDYA	CST	B.Tech	53
12020009022055	TANMOY		CHOWDHURY	CST	B.Tech	54
12020009022056	RAJDEEP		GOSWAMI	CST	B.Tech	55
12020009022057	RAJESH		MANDAL	CST	B.Tech	56
12020009022058	AMIT		PANDIT	CST	B.Tech	57
12020009022059	RAKESH	RANJAN	KUMAR	CST	B.Tech	58
12020009022060	JOYDEEP		BHANDARY	CST	B.Tech	59
12020009022061	ROHIT		ROY	CST	B.Tech	60
12020009022062	TRISHA		NANDY	CST	B.Tech	61
12020009022063	AYAN		PAUL	CST	B.Tech	62
12020009022064	SOMA		KAR	CST	B.Tech	63
12020009022065	KAZI	PARVEZ	ALI	CST	B.Tech	64
12020009022066	TIYASA		BOSU	CST	B.Tech	65
12020009022067	SUDIP		SINGHA	CST	B.Tech	66
12020009022068	HUSSAIN		WARIS	CST	B.Tech	67
12020009022069	DEEPANJAN		SAHA	CST	B.Tech	68
12020009022070	RIDDIKA		MANDAL	CST	B.Tech	69
12020009022071	AKASH		PAUL	CST	B.Tech	70
12020009022072	SAMRAT		PAL	CST	B.Tech	71
12020009022073	KATHAKOLI		BHATTACHARJEE	CST	B.Tech	72
12020009022074	ANANYA		JANA	CST	B.Tech	73
12020009022075	ABHIJIT		BANERJEE	CST	B.Tech	74
12020009022076	ABHRADIP		SAHA	CST	B.Tech	75
12020009022077	ADITYA		MUKHERJEE	CST	B.Tech	76
12020009022078	ANIRBAN		DUTTA	CST	B.Tech	77
12020009022079	ANKAN		BHOWMICK	CST	B.Tech	78
12020009022080	ANKANA		DEY	CST	B.Tech	79
12020009022081	ANSHUPARNI		BANERJEE	CST	B.Tech	80
12020009022231	ANSUK	SINHA	ROY	CST	B.Tech	81
12020009022082	ANUBHAV		DEB	CST	B.Tech	82
12020009022083	APARAJITA		BANERJEE	CST	B.Tech	83
12020009022084	ASHIS	KUMAR	MANDAL	CST	B.Tech	84
12020009022085	AYAN		BHATTACHARYYA	CST	B.Tech	85
12020009022086	BANTI		CHAUDHARY	CST	B.Tech	86
12020009022087	BIPASHA		BHUIYA	CST	B.Tech	87

12020009022088	BISHWARUP		MISHRA	CST	B.Tech	88
12020009022089	CHANDAN		KUMAR	CST	B.Tech	89
12020009022090	CHANDRADEEP		MANDAL	CST	B.Tech	90
12020009022091	DEBARGHYA		MANNA	CST	B.Tech	91
12020009022092	DEBDUT		MUKHERJEE	CST	B.Tech	92
12020009022093	DEBJIT		DEY	CST	B.Tech	93
12020009022094	DEV		GUPTA	CST	B.Tech	94
12020009022095	DIKSHA		BUXANI	CST	B.Tech	95
12020009022096	ISHITA		GHOSH	CST	B.Tech	96
12020009022097	KRISHANU		MANDAL	CST	B.Tech	97
12020009022098	MADHUBAN		MUKHERJEE	CST	B.Tech	98
12020009022099	MD	SAJJAD	ALI	CST	B.Tech	99
12020009022100	MRINMOY		CHAKRABORTY	CST	B.Tech	100
12020009022101	NIKESH	KUMAR	NIRALA	CST	B.Tech	101
12020009022102	PARTHIB		BISWAS	CST	B.Tech	102
12020009022103	PRATIK		BISWAS	CST	B.Tech	103
12020009022104	PRIYANKA		GUPTA	CST	B.Tech	104
12020009022105	RAHUL		ROY	CST	B.Tech	105
12020009022106	RANGIT		MUKHERJEE	CST	B.Tech	106
12020009022107	RANJIT		SHAW	CST	B.Tech	107
12020009022108	RISHIN		CHAUDHURY	CST	B.Tech	108
12020009022109	RITAM		BHADURI	CST	B.Tech	109
12020009022110	SANA		SIDDIQUI	CST	B.Tech	110
12020009022111	SHWET		RAJ	CST	B.Tech	111
12020009022112	SK	NISHAN	MONDAL	CST	B.Tech	112
12020009022113	SNEHASISH		SARKAR	CST	B.Tech	113
12020009022114	SOUMAJIT		BHOWMICK	CST	B.Tech	114
12020009022115	SOUMYA		PAUL	CST	B.Tech	115
12020009022116	SRABASTI		CHOUDHURY	CST	B.Tech	116
12020009022117	SRIJAN		SHEKHAR	CST	B.Tech	117
12020009022118	SWAPNIL		KUMAR	CST	B.Tech	118
12020009022120	UPAM		ROY	CST	B.Tech	119
12020009022121	AMANPREET		KOUR	CST	B.Tech	120
12020009022122	JOYDIP		KOLAY	CST	B.Tech	121
12020009022123	SOURIK		ROY	CST	B.Tech	122
12020009022125	ROHIT		MUKHOPADHYAY	CST	B.Tech	123
12020009022126	MEGHA		PAUL	CST	B.Tech	124
12020009022127	BRATIN		DAS	CST	B.Tech	125
12020009022128	ARKA		DAS	CST	B.Tech	126
12020009022129	SUBHRA		MAJI	CST	B.Tech	127
12020009022130	PUSHPENDU		GHOSH	CST	B.Tech	128
12020009022131	DIBYANI		KSHETRY	CST	B.Tech	129
12020009022132	ARITRA		GHOSH	CST	B.Tech	130
12020009022133	AVHIRUP		MONDAL	CST	B.Tech	131
12020009022134	RAJDEEP		MUKHERJEE	CST	B.Tech	132
12020009022135	VEDANSHI		SAHAY	CST	B.Tech	133
12020009022136	SYED	ZARGHAM	HASSAN	CST	B.Tech	134
12020009022137	ARKA	PRATIM	SANDILYA	CST	B.Tech	135
12020009022080	SUBHASISH		HALDER	CST	B.Tech	136
12020009022138	UDITA		BANERJEE	CST	B.Tech	137
12020009022139	ROHIT		GHOSH	CST	B.Tech	138
12020009022140	SAYANABHA		CHANDRA	CST	B.Tech	139
12020009022141	KAUSTAV		DUTTA	CST	B.Tech	140
12020009022142	ARINDAM		GHOSH	CST	B.Tech	141
12020009022143	ARYAN		DAS	CST	B.Tech	142
12020009022144	ANINDITA		CHAKRABORTY	CST	B.Tech	143
12020009022145	SAPATH		CHAKRABORTY	CST	B.Tech	144

12020009022146	SIDDHARTHA		DAS	CST	B.Tech	145
12020009022147	SUSHANT		KUMAR	CST	B.Tech	146
12020009022148	SAYAK		SARKAR	CST	B.Tech	147
12020009022149	JAHNABI		MUKHERJEE	CST	B.Tech	148
12020009022150	ABHISHEK		GHOSAL	CST	B.Tech	149
12020009022151	VIVEK		NAG	CST	B.Tech	150
12020009022152	MEGHNA		GUPTA	CST	B.Tech	151
12020009022153	AISHIK		MUKHERJEE	CST	B.Tech	152
12020009022154	SHIVAM		JHA	CST	B.Tech	153
12020009022155	PRANKUSH		GIRI	CST	B.Tech	154
12020009022156	MUJIBULLAH		INAMI	CST	B.Tech	155
12020009022157	SK	ASLAN	HOSSAIN	CST	B.Tech	156
12020009022230	ARINJOY		NANDY	CST	B.Tech	157
12020009022158	RASHI		SARAOGI	CST	B.Tech	158
12020009022159	SOHAM		CHATTERJEE	CST	B.Tech	159
12020009022161	DEBDEEP		DUTTA	CST	B.Tech	160
12020009022160	ARITRA		MONDAL	CST	B.Tech	161
12020009022082	ABHISHEK		RAJ	CST	B.Tech	162
12020009022162	RITWIK		VERMA	CST	B.Tech	163
12020009022163	SATARUP		SARKAR	CST	B.Tech	164
12020009022164	ANKITA		MONDAL	CST	B.Tech	165
12020009022165	SIDDHARTH		DAS	CST	B.Tech	166
12020009022168	JOYEE		SAHA	CST	B.Tech	167
12020009022169	ROHAN	KUMAR	TALUKDAR	CST	B.Tech	168
12020009022170	SUBHOJIT		GHOSH	CST	B.Tech	169
12020009022172	ANNWESHA		MAHANTA	CST	B.Tech	170
12020009022174	SUPROTIM		KARMAKAR	CST	B.Tech	171
12020009022175	AARYAN		DHARIWAL	CST	B.Tech	172
12020009022176	ABHISHEK		SINGH	CST	B.Tech	173
12020009022177	AHANA		PRADHAN	CST	B.Tech	174
12020009022178	AKASH		KUMAR	CST	B.Tech	175
12020009022179	AKASH	KUMAR	GAIN	CST	B.Tech	176
12020009022180	ANIKET		VERMA	CST	B.Tech	177
12020009022183	DEBASISH		RAHA	CST	B.Tech	178
12020009022184	HARSH		SINGH	CST	B.Tech	179
12020009022185	HIMANSHU		SHAW	CST	B.Tech	180
12020009022186	KAUSTAV		RAJAK	CST	B.Tech	181
12020009023105	MANAS		METE	CST	B.Tech	182
12020009022187	MAYANK	KUMAR	PANDEY	CST	B.Tech	183
12020009022188	MURSALIN		SHEIKH	CST	B.Tech	184
12020009022189	NARESH		KUMAR	CST	B.Tech	185
12020009022190	PRANJAL		BAJPAYEE	CST	B.Tech	186
12020009022191	PRINCE	KUMAR	SINGH	CST	B.Tech	187
12020009022192	PRITOM		KARMAKAR	CST	B.Tech	188
12020009022193	RAHUL		MONDAL	CST	B.Tech	189
12020009022194	RIDAM		DUTTA	CST	B.Tech	190
12020009022195	RITWICK		PAL	CST	B.Tech	191
12020009022196	SAMRAT		GHOSH	CST	B.Tech	192
12020009022197	SAUMYA		DEEP	CST	B.Tech	193
12020009022198	SHREYA		AGARWAL	CST	B.Tech	194
12020009022199	SHREYASHREE		DAS	CST	B.Tech	195
12020009022200	SNEHA		CHANAK	CST	B.Tech	196
12020009022201	SNEHA		SAHA	CST	B.Tech	197
12020009022202	SOUVIK		NANDI	CST	B.Tech	198
12020009022203	SUBHADIP		PATRA	CST	B.Tech	199
12020009022204	SHUBHAM	KUMAR	JHA	CST	B.Tech	200
12020009022205	SUCHETA		BHOWMICK	CST	B.Tech	201

12020009022206	SUMAN		GARAI	CST	B.Tech	202
12020009022207	SURAJ	KUMAR	ROY	CST	B.Tech	203
12020009022208	SWARNAVA		CHANDRA	CST	B.Tech	204
12020009022209	TRISHITA		ACHARJEE	CST	B.Tech	205
12020009022210	TUSHAR		GUPTA	CST	B.Tech	206
12020009022089	UPPAL		ROY	CST	B.Tech	207
12020009022211	VANSHIKA		GADDHYAN	CST	B.Tech	208
12020009022212	SINCHAN		BANERJEE	CST	B.Tech	209
12020009022213	TANOY		CHAKRABORTY	CST	B.Tech	210
12020009022214	PADEEP	KUMAR	PATEL	CST	B.Tech	211
12020009022215	RAHUL		DAS	CST	B.Tech	212
12020009022216	PRIYANKA		TIBRIWALA	CST	B.Tech	213
12020009022217	SOURAV		SASMAL	CST	B.Tech	214
12020009022218	SONU	KUMAR	VERMA	CST	B.Tech	215
12020009022219	SHAGUN		SINGH	CST	B.Tech	216
12020009005019	ABBAS	ALI	MOLLA	CST	B.Tech	217
12020009022220	SOUMYADEEP		DAWN	CST	B.Tech	218
12020009022221	ARITRA	DUTTA	ROY	CST	B.Tech	219
12020009022222	ADITYA		BURMAN	CST	B.Tech	220
12020009022223	NILOJ		MUKHOPADHYAY	CST	B.Tech	221
12020009022224	LAGNADIP		BHOWMIK	CST	B.Tech	222
12020009022225	SUBHANKAR		SAHOO	CST	B.Tech	223
12020009022227	SRIJITA		NATH	CST	B.Tech	224
12020009022228	KUNAL		KISHORE	CST	B.Tech	225
12020009022232	AMAN		KUMAR	CST	B.Tech	226
12020009022233	CHANDAN		DHUA	CST	B.Tech	227
12020009022234	PIYUSH		RAJ	CST	B.Tech	228
12020009022235	ARCHITA		MAITY	CST	B.Tech	229
12020009022236	MD	MAJAZ	HASSAN	CST	B.Tech	230
12020009022237	SAKSHI		BHAGAT	CST	B.Tech	231
12020009022238	SNEHA		SARKAR	CST	B.Tech	232
12020009022239	RAHUL		ROY	CST	B.Tech	233
12020009022283	SUBHAJIT		SAHA	CST	B.Tech	234
12020009022240	ATANU		MAITY	CST	B.Tech	235
12020009022241	SHIVANI	SAI	JENA	CST	B.TECH	236
12020009022242	TANYA		KISHORE	CST	B.Tech	237
12020009022243	SHREYA		SINHA	CST	B.Tech	238
12020009022244	RAUNAK		SARKAR	CST	B.Tech	239
12020009022245	AVINANDAN		MALLICK	CST	B.Tech	240
12020009022246	UPASANA		CHATTERJEE	CST	B.Tech	241
12020009022248	SOUMYADEEP		KARMAKAR	CST	B.Tech	242
12020009022249	ABHISHEK		MISHRA	CST	B.Tech	243
12020009022250	RUCHI		PANDEY	CST	B.Tech	244
12020009022251	VANSHIKA		MAJITHIA	CST	B.Tech	245
12020009022252	SAIKAT		ROY	CST	B.Tech	246
12020009022253	MD		SAHIN	CST	B.Tech	247
12020009022254	ANISH		RAJ	CST	B.Tech	248
12020009022255	AZEEM		JAWAID	CST	B.Tech	249
12020009022256	VARUN		KAUSHIK	CST	B.Tech	250
12020009022257	ANUBHAV		SENAPATI	CST	B.Tech	251
12020009022258	SHIBANGI		SAHA	CST	B.Tech	252
12020009022259	TRIDEEP		ROY	CST	B.Tech	253
12020009022260	ATANU	KUMAR	DAS	CST	B.Tech	254
12020009022261	AYUSH		AGARWAL	CST	B.Tech	255
12020009022262				CST	B.Tech	256
12020009022263	SABARNA		CHOWDHURY	CST	B.Tech	257
12020009022264	PURUSOTHAM		PASADI	CST	B.Tech	258

12020009022265	NAVNIT	KUMAR	SINGH	CST	B.Tech	259
12020009022266	SHUVROJYOTI		GHOSH	CST	B.Tech	260
12020009022267	SONIA		DHAR	CST	B.Tech	261
12020009022268	SAHIL		SENGRA	CST	B.Tech	262
12020009022284	AFREEN		ZEB	CST	B.Tech	263
12020009022269	SAIKAT		DAS	CST	B.Tech	264
12020009022270	RITU		DHAR	CST	B.Tech	265
12020009022271	MAGAPU		SHANMUKH	CST	B.Tech	266
12020009022285	NILADRI		DATTA	CST	B.Tech	267
12020009022272	SAABITRA		BERA	CST	B.Tech	268
12020009022273	CHANDAN		PRASAD	CST	B.Tech	269
12020009022274	ARATRIKA		ROY	CST	B.Tech	270
12020009022275	AKASH		SAHA	CST	B.Tech	271
12020009022276	ANIMESH		SARMA	CST	B.Tech	272
12020009022277	HARSH		BARANWAL	CST	B.Tech	273
12020009022278	ARYA		SINGH	CST	B.Tech	274
12020009022279	RITAM		ROY	CST	B.Tech	275
12020009022280	PRATHAM	KUMAR	SHAW	CST	B.Tech	276
12020009022286	JYOTISHMAN		GOPE	CST	B.Tech	277
12020009022287	DIPALI		SHARMA	CST	B.Tech	278
12020009022288	ADITYA		GHOSH	CST	B.Tech	279
12020009022289	SATYAJIT		GHOSH	CST	B.Tech	280
12020009022291	AYESHA		FIRDAUS	CST	B.Tech	281
12020009022290	ADITI		RAY	CST	B.Tech	282
12020009001316	UTSAV		CHATURVEDI	CST	B.Tech	283
12020009001318	ANKIT		ROY	CST	B.Tech	284
12020009001319	TANIA		SENGUPTA	CST	B.Tech	285
12020009022282	KUSUM	KUMARI	DHANUK	CST	B.Tech	286
12020009001325	AKANSHA		JAIN	CST	B.Tech	287
12020009001326	MD		SHARIM	CST	B.Tech	288
12020009001330	NAFISA		ALI	CST	B.Tech	289
12020009001327	MEDHA		ROY	CST	B.Tech	290
12020009001331	RIYA			CST	B.Tech	291
12020009001334	NIKHIL	SHEKHAR	BHOKTA	CST	B.Tech	292
12020009001335	AANCHAL		KARAN	CST	B.Tech	293
12020009001332	ARNAB		KIRTTANIA	CST	B.Tech	294
12020009001336	ANKIT		GUPTA	CST	B.Tech	295
12020009001337	SUSWAGATAM		RONG	CST	B.Tech	296
12020009001333	SHRITAMA		KUNDU	CST	B.Tech	297
12020009002097	DEEPTANU		BANIK	CST	B.Tech	298
12020009002098	PRITHVI	KUMAR	RAJBHAR	CST	B.Tech	299
12020007015061	ROHIT		JANA	CST	B.Tech	300
12020009001001	SAHEB	SUNDAR	JANA	CSE	B.Tech	1
12020009001002	SOUMYADIP		MANDAL	CSE	B.Tech	2
12020009001005	DEEPAK		KUMAR	CSE	B.Tech	3
12020009001006	MANJISHTHA		BHOWMICK	CSE	B.Tech	4
12020009001007	ANIKET		ACHARYA	CSE	B.Tech	5
12020009001008	ARINDAM		HARH	CSE	B.Tech	6
12020009001009	BISHAL		PAL	CSE	B.Tech	7
12020009001010	ANWESHA		SAHA	CSE	B.Tech	8
12020009001011	SHREYON		SINHA	CSE	B.Tech	9
12020009001030	SHUBHIJIT		PAL	CSE	B.Tech	10
12020009001324	SUBHRADEEP		ROY	CSE	B.Tech	11
12020009001012	SWETA		SAHOO	CSE	B.Tech	12
12020009001013	ASHIQUE	RAZA	HOSSAIN	CSE	B.Tech	13
12020009001014	ANKIT		DIGAR	CSE	B.Tech	14

12020009001015	AYOUSHRI		BASU	CSE	B.Tech	15
12020009001016	HRITHIKA		JHA	CSE	B.Tech	16
12020009001017	SANJIMA		PAL	CSE	B.Tech	17
12020009001018	SUMEDHA		BHATTACHARYA	CSE	B.Tech	18
12020009001019	SOUVIK		BERA	CSE	B.Tech	19
12020009001020	AADRITO		ROY	CSE	B.Tech	20
12020009001021	SATTWIK		BANERJEE	CSE	B.Tech	21
12020009001022	DIPAYAN		BISWAS	CSE	B.Tech	22
12020009001023	SHREYAS		ROY	CSE	B.Tech	23
12020009001024	AYUSH	KUMAR	GHOSAL	CSE	B.Tech	24
12020009001025	SRIJAN		CHATTERJEE	CSE	B.Tech	25
12020009001026	ANIKET		BISWAS	CSE	B.Tech	26
12020009001027	SAIRINDHRI		DUTTA	CSE	B.Tech	27
12020009001028	DEBARGHYA		BASAK	CSE	B.Tech	28
12020009001029	PADMINI		DAS	CSE	B.Tech	29
12020009001031	ANUSKA		DUTTA	CSE	B.Tech	30
12020009001032	ANKIT		SAHA	CSE	B.Tech	31
12020009001033	DEEPTIMAN		KUNDU	CSE	B.Tech	32
12020009001034	AAKANKSHA		KUMARI	CSE	B.Tech	33
12020009001035	DEBJIT		RAY	CSE	B.Tech	34
12020009001036	AVANINDRA	KUMAR	RAY	CSE	B.Tech	35
12020009001037	SPANDAN		BANERJEE	CSE	B.Tech	36
12020009001038	SUGATA		CHOWDHURY	CSE	B.Tech	37
12020009001039	RAM		KUMAR	CSE	B.Tech	38
12020009001040	NASRIN		BEGAM	CSE	B.Tech	39
12020009001041	NAIWRI		MULLICK	CSE	B.Tech	40
12020009001042	ANIRBAN		ADHIKARI	CSE	B.Tech	41
12020009001043	MADHU		PRASAD	CSE	B.Tech	42
12020009001044	NIHARIKA		DAS	CSE	B.Tech	43
12020009001045	SIBAYAN		MISRA	CSE	B.Tech	44
12020009001046	ABANTIKA		SARKAR	CSE	B.Tech	45
12020009001047	VISHAL		KUMAR	CSE	B.Tech	46
12020009001048	ANUBHAV		CHATTERJEE	CSE	B.Tech	47
12020009001049	RONIT		BISWAS	CSE	B.Tech	48
12020009001051	NIRBAN		SAHA	CSE	B.Tech	49
12020009001052	SWAPNANEEL		CHAKRABARTI	CSE	B.Tech	50
12020009001053	PRITAM		NATH	CSE	B.Tech	51
12020009001054	SHOHAN		GHOSH	CSE	B.Tech	52
12020009001055	SILADITYA		MANDAL	CSE	B.Tech	53
12020009001056	SOURENDU		LODH	CSE	B.Tech	54
12020009001057	AYAN		BANERJEE	CSE	B.Tech	55
12020009001058	MIHIR		VERMA	CSE	B.Tech	56
12020009001059	SHREYA		PRASAD	CSE	B.Tech	57
12020009001060	SHEETAL		BARDIA	CSE	B.Tech	58
12020009001061	DIPAM		SARKAR	CSE	B.Tech	59
12020009001062	PARNA		CHOWDHURY	CSE	B.Tech	60
12020009001063	DEBADYUTI		PAUL	CSE	B.Tech	61
12020009001064	SRIJEET		ROY	CSE	B.Tech	62
12020009001065	ANSHU		SARKAR	CSE	B.Tech	63
12020009001066	SAYAK		MONDAL	CSE	B.Tech	64
12020009001067	ADWAYA		GHOSH	CSE	B.Tech	65
12020009001068	DRISHTI		MAJEE	CSE	B.Tech	66
12020009001069	SHREYA		MALLIK	CSE	B.Tech	67
12020009001070	NIHARIKA		SAMANTA	CSE	B.Tech	68
12020009001071	SAIKAT		GANTAIT	CSE	B.Tech	69
12020009001072	KESHAV	KUMAR	JHA	CSE	B.Tech	70
12020009001073	TAPALABDHA		BHATTACHARJEE	CSE	B.Tech	71

12020009001074	RAJARSHI		ROY	CSE	B.Tech	72
12020009001075	JEET		SAHA	CSE	B.Tech	73
12020009001076	IPSITA		KUNDU	CSE	B.Tech	74
12020009001077	TUHIN		PAUL	CSE	B.Tech	75
12020009001078	SANANDA		CHOWDHURY	CSE	B.Tech	76
12020009001079	TAMAL		DAS	CSE	B.Tech	77
12020009001080	ARKOPRABHO		DAS	CSE	B.Tech	78
12020009001081	SOUMYADEEP		SARKAR	CSE	B.Tech	79
12020009001082	SAMUDRA		GANTAIT	CSE	B.Tech	80
12020009001083	PALLAB		BANERJEE	CSE	B.Tech	81
12020009001084	ANKITA		KAYAL	CSE	B.Tech	82
12020009001085	ANKAN		LASKAR	CSE	B.Tech	83
12020009002009	SULAGNA		BISWAS	CSE	B.Tech	84
12020009001086	ARITRA		BASU	CSE	B.Tech	85
12020009001087	ARIJIT		BERA	CSE	B.Tech	86
12020009001088	DIPROVA		DEY	CSE	B.Tech	87
12020009001089	ADITI		BIHANI	CSE	B.Tech	88
12020009001090	SRIJA		MUKHERJEE	CSE	B.Tech	89
12020009001091	SUDIPTA		DAS	CSE	B.Tech	90
12020009001092	ANUPAM		DUTTA	CSE	B.Tech	91
12020009001093	SOUMYARAJ		DUTTA	CSE	B.Tech	92
12020009002011	ANIRBAN		DAS	CSE	B.Tech	93
12020009001095	TANAY		HALDER	CSE	B.Tech	94
12020009001323	ROMIT		DASGUPTA	CSE	B.Tech	95
12020009001096	NAVONIL		PAUL	CSE	B.Tech	96
12020009001097	SOUMI		JANA	CSE	B.Tech	97
12020009001322	TANIX		MANDAL	CSE	B.Tech	98
12020009001098	SOUMYADEEP		DAS	CSE	B.Tech	99
12020009001099	SHAYANIKA		DAS	CSE	B.Tech	100
12020009001100	ARITRA		SAMANTA	CSE	B.Tech	101
12020009001101	PRITAM		KUNDU	CSE	B.Tech	102
12020009001102	NILLOHIT		SHARMA	CSE	B.Tech	103
12020009001103	SOUMOJA		GUPTA	CSE	B.Tech	104
12020009001104	TRISSA		MAJHILA	CSE	B.Tech	105
12020009001105	SHRUTI		SHARMA	CSE	B.Tech	106
12020009001107	SWASTIK		DHAR	CSE	B.Tech	107
12020009001109	UTSHA		BHATTACHARYA	CSE	B.Tech	108
12020009001110	AMAN	KUMAR	SINGH	CSE	B.Tech	109
12020009001111	ANIRBAN		CHOWDHURY	CSE	B.Tech	110
12020009001112	SUMIT		ROY	CSE	B.Tech	111
12020009001113	SUDITI		BERA	CSE	B.Tech	112
12020009001114	JAYA		PREYASI	CSE	B.Tech	113
12020009001115	SOUMYAJIT		BASAK	CSE	B.Tech	114
12020009001116	SWARNADEEP		PRAMANIK	CSE	B.Tech	115
12020009001117	RITAM		BHATTACHAYA	CSE	B.Tech	116
12020009001118	SRINJOY		CHATTERJEE	CSE	B.Tech	117
12020009001119	UDDIPTO		BISWAS	CSE	B.Tech	118
12020009001120	SAPTOPARNO		SARKAR	CSE	B.Tech	119
12020009001121	VANSHIKA		TIWARI	CSE	B.Tech	120
12020009001122	SUVANKAR		BISWAS	CSE	B.Tech	121
12020009001123	MD	SHAHBAZ	ALAM	CSE	B.Tech	122
12020009001124	MRITYUNJAY		BHATTACHARJEE	CSE	B.Tech	123
12020009001126	SOURAV		ROY	CSE	B.Tech	124
12020009001128	RICHA		PRAGYA	CSE	B.Tech	125
12020009001129	RUPAM		DHAR	CSE	B.Tech	126
12020009001130	SOHAM		CHAUDHURI	CSE	B.Tech	127
12020009001131	RAJ		ROY	CSE	B.Tech	128

12020009001132	SUTANU		DUTTA	CSE	B.Tech	129
12020009001133	TRISHITA		BISWAS	CSE	B.Tech	130
12020009001134	KUSHAGRA		SHAW	CSE	B.Tech	131
12020009001135	SHIBAM		BISWAS	CSE	B.Tech	132
12020009001136	RASHI			CSE	B.Tech	133
12020009001137	SOUMYADIPA		PAL	CSE	B.Tech	134
12020009001138	RIKHIA		KUNDU	CSE	B.Tech	135
12020009001139	PRITHWISH		DEY	CSE	B.Tech	136
12020009001140	RITTIK			CSE	B.Tech	137
12020009001141	KOUSTAV		MANNA	CSE	B.Tech	138
12020009001142	SUNABHA		PANDA	CSE	B.Tech	139
12020009001143	PINAK	RANJAN	DAS	CSE	B.Tech	140
12020009001144	RISHIT		DEBNATH	CSE	B.Tech	141
12020009001145	ANKIKA		MAJUMDAR	CSE	B.Tech	142
12020009001147	SNIGDHA		CHOWDHURY	CSE	B.Tech	143
12020009001148	RAJ		KARMAKAR	CSE	B.Tech	144
12020009001149	ANIKET		TAPADAR	CSE	B.Tech	145
12020009001150	LEENA		CHOWDHURY	CSE	B.Tech	146
12020009001151	SHUVAYU		CHAKRABORTY	CSE	B.Tech	147
12020009001152	SUKANYA		BHUNIA	CSE	B.Tech	148
12020009001153	BIPASA		SAHA	CSE	B.Tech	149
12020009001154	ANIRBAN		MANDAL	CSE	B.Tech	150
12020009001156	ARINDAM		CHATTARAJ	CSE	B.Tech	151
12020009001157	RAMIT		GHOSH	CSE	B.Tech	152
12020009001158	DEBJIT		PAHARI	CSE	B.Tech	153
12020009001159	SURANJAN		MAITY	CSE	B.Tech	154
12020009001160	SOUPTIKA		MANDAL	CSE	B.Tech	155
12020009001161	GAURAV	KUMAR	SINGH	CSE	B.Tech	156
12020009001162	NILAY		DAS	CSE	B.Tech	157
12020009001163	NILoy		SAHA	CSE	B.Tech	158
12020009001165	SHREYA		GHOSAL	CSE	B.Tech	159
12020009001166	SWARNABHA		RAY	CSE	B.Tech	160
12020009001167	ADITYA	SANKAR	BHATTACHARYA	CSE	B.Tech	161
12020009001168	SUBHAJIT		CHAKRABARTI	CSE	B.Tech	162
12020009001169	SOHAM		CHOWDHURY	CSE	B.Tech	163
12020009001170	ANIK	DHABAL	BABU	CSE	B.Tech	164
12020009001171	TANIMA		MUKHERJEE	CSE	B.Tech	165
12020009001172	SONALI		PAL	CSE	B.Tech	166
12020009002029	SHYAM	SUNDAR	ROY	CSE	B.Tech	167
12020009001173	SUPRATIK		SEAL	CSE	B.Tech	168
12020009001174	SOUMYADEEP		MANDAL	CSE	B.Tech	169
12020009001175	ARGHYA		DEY	CSE	B.Tech	170
12020009001176	AINDRIA		DAS	CSE	B.Tech	171
12020009001177	SWARNALI		GHOSH	CSE	B.Tech	172
12020009001178	RAJIB		PARBAT	CSE	B.Tech	173
12020009001179	ANIMESH		HAZRA	CSE	B.Tech	174
12020009001180	RAHUL		CHATTERJEE	CSE	B.Tech	175
12020009001181	SOHAM		JANA	CSE	B.Tech	176
12020009001182	ANKIT		BHATTACHARYYA	CSE	B.Tech	177
12020009001183	SHASWATA		KARAN	CSE	B.Tech	178
12020009001184	ARYA		CHOUDHURY	CSE	B.Tech	179
12020009001186	AYUSHA		BURMAN	CSE	B.Tech	180
12020009001187	SAPTARSHI		DEY	CSE	B.Tech	181
12020009001188	SABARNO		DAS	CSE	B.Tech	182
12020009001190	ASZAD		MONDAL	CSE	B.Tech	183
12020009001191	SHRUTI		KUMARI	CSE	B.Tech	184
12020009001192	TUHIN		CHOWDHURY	CSE	B.Tech	185

12020009001193	DISHAN		PRAMANIK	CSE	B.Tech	186
12020009001195	MAYUKH	KUMAR	BAL	CSE	B.Tech	187
12020009001196	ARNAB		DE	CSE	B.Tech	188
12020009001197	ARKA		DASGUPTA	CSE	B.Tech	189
12020009001198	TRISHA		KUNDU	CSE	B.Tech	190
12020009001199	SHILAJIT	KUMAR	SAHA	CSE	B.Tech	191
12020009001200	SUMAN		DAS	CSE	B.Tech	192
12020009001201	DEBASHIS		HALDAR	CSE	B.Tech	193
12020009001202	DONA		PAL	CSE	B.Tech	194
12020009001204	ARCHI		PODDAR	CSE	B.Tech	195
12020009001205	SWACHCHHA		MANDAL	CSE	B.Tech	196
12020009001206	SAYANTA		SARKAR	CSE	B.Tech	197
12020009001207	ANUBHAV		DEWAN	CSE	B.Tech	198
12020009001208	KUSHAL		DAS	CSE	B.Tech	199
12020009001209	ROHAN		KARMAKAR	CSE	B.Tech	200
12020009001210	SWAPNANIL		CHAKRABORTY	CSE	B.Tech	201
12020009001211	SOURIN		GHOSH	CSE	B.Tech	202
12020009001212	AVINANDAN		KUNDU	CSE	B.Tech	203
12020009001213	SRIKANTA		MANDAL	CSE	B.Tech	204
12020009001214	ARGHA		BISWAS	CSE	B.Tech	205
12020009001216	SHAHIR		AHMAD	CSE	B.Tech	206
12020009001218	SUDIP		CHANDA	CSE	B.Tech	207
12020009001219	MEHELI		SARKAR	CSE	B.Tech	208
12020009001220	NAIF		KHURSHID	CSE	B.Tech	209
12020009001221	SAYAN		SARKAR	CSE	B.Tech	210
12020009001222	RHEETAPRIYA		RAHMAN	CSE	B.Tech	211
12020009001223	SUPRATIM		MITRA	CSE	B.Tech	212
12020009001224	SUMAN		HALDER	CSE	B.Tech	213
12020009001225	SAYAN		CHAKRABORTY	CSE	B.Tech	214
12020009001226	MD		FARUK	CSE	B.Tech	215
12020009001227	SANSKAR		SHAW	CSE	B.Tech	216
12020009001228	APRATIM		GHOSH	CSE	B.Tech	217
12020009001229	SAGAR		SARKAR	CSE	B.Tech	218
12020009001230	TIRTHANKAR		CHAKRABORTY	CSE	B.Tech	219
12020009001231	SOUBHAGYA		DAS	CSE	B.Tech	220
12020009001232	ABHIJATYA	GUHA	BISWAS	CSE	B.Tech	221
12020009001233	KRISHNANATH		SAHA	CSE	B.Tech	222
12020009001234	AMRITENDU		BANERJEE	CSE	B.Tech	223
12020009001235	AMITABH		BANSAL	CSE	B.Tech	224
12020009001236	ARINDAM		PATRA	CSE	B.Tech	225
12020009001237	MONISH		SHAW	CSE	B.Tech	226
12020009001238	AYAN		CHAKRABORTY	CSE	B.Tech	227
12020009001240	SOHEL	AHMED	MOLLA	CSE	B.Tech	228
12020009001241	SAGOR		MONDAL	CSE	B.Tech	229
12020009001242	TATHAGATA		CHAKRABORTY	CSE	B.Tech	230
12020009001243	SUDIPTA		SAHOO	CSE	B.Tech	231
12020009001321	PIYALI		KAR	CSE	B.Tech	232
12020009001328	PROTIM		BAIK	CSE	B.Tech	233
12020009001245	DEBOMOY		DATTA	CSE	B.Tech	234
12020009001246	ADITYA		SARKAR	CSE	B.Tech	235
12020009001247	SOUMIT		SATIAR	CSE	B.Tech	236
12020009001249	MEHELI		HALDER	CSE	B.Tech	237
12020009001250	PRIYAM		CHAKRABORTY	CSE	B.Tech	238
12020009001251	RUPAM		CHAKRABORTY	CSE	B.Tech	239
12020009001262	RITTIK		MANNA	CSE	B.Tech	240
12020009001252	SARADIYA		SAHA	CSE	B.Tech	241
12020009001253	ANURUPA		DAS	CSE	B.Tech	242

12020009001254	SHAIBAL		MALLICK	CSE	B.Tech	243
12020009001050	ROUNAK		DAS	CSE	B.Tech	244
12020009001255	SOUMYA	KANTI	RAY	CSE	B.Tech	245
12020009001256	NIRJHAR		SINHA	CSE	B.Tech	246
12020009001257	KOUSTABH		GOSWAMI	CSE	B.Tech	247
12020009001258	DEBANJAN	GUHA	THAKURATA	CSE	B.Tech	248
12020009001259	SOURAV		SARKAR	CSE	B.Tech	249
12020009001260	SOUMODEEP		DEY	CSE	B.Tech	250
12020009001261	SOUHARDYA		CHOWDHURY	CSE	B.Tech	251
12020009001263	SURYASNIGDHA		GHOSH	CSE	B.Tech	252
12020009001264	RAJARSHI		ROY	CSE	B.Tech	253
12020009001265	TIRTHARAJ		BHOWMIK	CSE	B.Tech	254
12020009001266	DIBABOSU		CHATTERJEE	CSE	B.Tech	255
12020009001267	ANKUR		DATTA	CSE	B.Tech	256
12020009001268	SHUVO		BISWAS	CSE	B.Tech	257
12020009001269	RAUNAK	KUMAR	SINGH	CSE	B.Tech	258
12020009001270	YASHVI		AGARWAL	CSE	B.Tech	259
12020009001271	ARGHYA		BHATTACHARYA	CSE	B.Tech	260
12020009001272	DIPANWITA		DUTTA	CSE	B.Tech	261
12020009001273	ANINDITA		SARKAR	CSE	B.Tech	262
12020009001274	NIKUNJ		JAISWAL	CSE	B.Tech	263
12020009001275	KOUSHIK		DHAR	CSE	B.Tech	264
12020009001276	AZIJUL		MUNSI	CSE	B.Tech	265
12020009001277	SHREYAM		SARMA	CSE	B.Tech	266
12020009001278	RAI		MAJUMDER	CSE	B.Tech	267
12020009001279	DEBANGSHU		DATTA	CSE	B.Tech	268
12020009001280	SUBHODEEP		PAUL	CSE	B.Tech	269
12020009001281	ANURIMA		PRAMANIK	CSE	B.Tech	270
12020009001283	SWAROLIP		CHAKRABORTY	CSE	B.Tech	271
12020009001284	SRUTI		ROY	CSE	B.Tech	272
12020009001285	MOULI		NANDI	CSE	B.Tech	273
12020009001286	SAYAN		PODDER	CSE	B.Tech	274
12020009001287	ARIJIT		BISWAS	CSE	B.Tech	275
12020009001288	PRITUL		NANDY	CSE	B.Tech	276
12020009001289	ALEYAA		SINHA	CSE	B.Tech	277
12020009001290	TUHIN		PAUL	CSE	B.Tech	278
12020009001291	SOURAV		MAJI	CSE	B.Tech	279
12020009001292	SWAPNANEEL		CHATTERJEE	CSE	B.Tech	280
12020009001293	MAYANK		PANDEY	CSE	B.Tech	281
12020009029046	PRATIK		PAUL	CSE	B.Tech	282
12020009023031	TANOY		SAHA	CSE	B.Tech	283
12020009023032	RAJRUP		SAMANTA	CSE	B.Tech	284
12020009001320	IFTIKAR		ALAM	CSE	B.Tech	285
12020009001294	SHOBHA		TODI	CSE	B.Tech	286
12020009001295	JYOTIRMOY		GHOSH	CSE	B.Tech	287
12020009001296	SREYAAN		AUDDY	CSE	B.Tech	288
12020009001297	PRIYANSHU		KUMAR	CSE	B.Tech	289
12020009001298	SOURADEEP		GHOSH	CSE	B.Tech	290
12020009001299	SUDESHNA		DAS	CSE	B.Tech	291
12020009001300	MD	RAMIZ	KABIR	CSE	B.Tech	292
12020009001301	BISHAL		BISWAS	CSE	B.Tech	293
12020009001302	DEBANIL		MUKHOPADHYAY	CSE	B.Tech	294
12020009001303	SWETA		SAHA	CSE	B.Tech	295
12020009001304	TRIPARNA		MAJUMDAR	CSE	B.Tech	296
12020009001305	SAPTARSHI		BANERJEE	CSE	B.Tech	297
12020009001306	SRIJAN		SARKAR	CSE	B.Tech	298
12020009001307	RITTIKA		BOSE	CSE	B.Tech	299

12020009001308	AKASH		KUNDU	CSE	B.Tech	300
12020009002001	ARKODEEP		GHOSAL	ECE	B.Tech	1
12020009002002	SOURADEEP		DAS	ECE	B.Tech	2
12020009002003	DEDIPYA		DUTTA	ECE	B.Tech	3
12020009002004	EMILY		GHOSH	ECE	B.Tech	4
12020009002005	ARUNAVA		GHOSH	ECE	B.Tech	5
12020009002006	SUGAUTA		CHATTERJEE	ECE	B.Tech	6
12020009002008	SRIJONI		KUMAR	ECE	B.Tech	7
12019009002093	TIRTHANKI		JANA	ECE	B.TECH	8
12020009002012	RISHAV		NANDAN	ECE	B.Tech	9
12020009002013	SOUVIK		MUKHERJEE	ECE	B.Tech	10
12020009002014	DEBANSHI		CHOWDHURY	ECE	B.Tech	11
12020009002015	SAYAN		BHATTACHARYA	ECE	B.Tech	12
12020009002016	UDDIPAN		CHAUDHURY	ECE	B.Tech	13
12020009002017	PRATIVA		SAHA	ECE	B.Tech	14
12020009002018	SOUMYADEEP		SETH	ECE	B.Tech	15
12020009002019	SWAPNANEEL		ROY	ECE	B.Tech	16
12020009002020	RAJARSHI		ROY	ECE	B.Tech	17
12020009002021	SOURIN		CHAKRABORTY	ECE	B.Tech	18
12020009002022	SUBHAM		BERA	ECE	B.Tech	19
12020009002023	RAJANYA		GHOSH	ECE	B.Tech	20
12020009002025	ISHITA		KUNDU	ECE	B.Tech	21
12020009002026	TAMOGHNO		DEY	ECE	B.Tech	22
12020009002027	SHOUVIK		GHOSH	ECE	B.Tech	23
12020009002028	DEBDYUTI		CHATTOPADHYAY	ECE	B.Tech	24
12020009002030	SAYANTAN		DAS	ECE	B.Tech	25
12020009002031	PRATIK		ACHARJEE	ECE	B.Tech	26
12020009002032	AVIRUP		MAJUMDER	ECE	B.Tech	27
12020009002033	SAYAN		SARKAR	ECE	B.Tech	28
12020009002034	ATANU		CHAKRABORTY	ECE	B.Tech	29
12020009002035	ARCHISMAN		GHOSH	ECE	B.Tech	30
12020009002036	SRUTISREE		NASKAR	ECE	B.Tech	31
12020009002037	RUPAK		BISWAS	ECE	B.Tech	32
12020009002039	ABHIK		DUTTA	ECE	B.Tech	33
12020009002040	ARITRA		GHOSH	ECE	B.Tech	34
12020009002041	PIYALI		KARMAKAR	ECE	B.Tech	35
12020009002042	BHOLA		ROY	ECE	B.Tech	36
12020009002043	ARANNYA		MONDAL	ECE	B.Tech	37
12020009002044	TANNISTHA		CHATTOPADHYAY	ECE	B.Tech	38
12020009002045	SAHELI		DEY	ECE	B.Tech	39
12020009002046	DEBADITYA		GHOSH	ECE	B.Tech	40
12020009002047	SOUGATA		SUR	ECE	B.Tech	41
12020009002048	SUBHAM		GOSWAMI	ECE	B.Tech	42
12020009002049	ANUSHKA		MAITY	ECE	B.Tech	43
12020009002050	PRIYANSH		SHARMA	ECE	B.Tech	44
12020009002051	DISHA		BISWAS	ECE	B.Tech	45
12020009002052	DEBASISH		DEBNATH	ECE	B.Tech	46
12020009002053	PRATYAY		BISWAS	ECE	B.Tech	47
12020009002054	MOHINI		DAS	ECE	B.Tech	48
12020009002055	ARGHA		CHATTERJEE	ECE	B.Tech	49
12020009002056	ABHIK		SENGUPTA	ECE	B.Tech	50
12020009002057	TAIJAS		BANIK	ECE	B.Tech	51
12020009002058	AYAN		DUTTA	ECE	B.Tech	52
12020009002059	AYUSH		SAHA	ECE	B.Tech	53
12020009002060	SOUMYADEEP		MONDAL	ECE	B.Tech	54
12020009002061	AISHANI		SIL	ECE	B.Tech	55

12020009002062	ARIJIT		BHATTACHARJEE	ECE	B.Tech	56
12020009002063	PRITANSHU		BASU	ECE	B.Tech	57
12020009002064	ROHAN		BISWAS	ECE	B.Tech	58
12020009002065	SATAVISHA		SUR	ECE	B.Tech	59
12020009002066	SHAHIL		MAJUMDER	ECE	B.Tech	60
12020009002067	SHREYAN		DEY	ECE	B.Tech	61
12020009002068	SOHAM		GHOSH	ECE	B.Tech	62
12020009002069	SUGATA		MONDAL	ECE	B.Tech	63
12020009002070	TRISHA		SARKAR	ECE	B.Tech	64
12020009002071	VERGAB		GHOSH	ECE	B.Tech	65
12020009002072	ALOK		KUMAR	ECE	B.Tech	66
12020009002073	ANUSHA		GANGULY	ECE	B.Tech	67
12020009002074	ANJALI		SHAW	ECE	B.Tech	68
12020009002075	SHRUTI		DAS	ECE	B.Tech	69
12020009002076	RIYA		KUNDU	ECE	B.Tech	70
12020009002077	SHAYAN		SAHA	ECE	B.Tech	71
12020009002078	AMRITPAL		SINGH	ECE	B.Tech	72
12020009002081	TUHINA	ROY	CHAUDHURY	ECE	B.Tech	73
12020009002083	ANIRBAN		SADHUKHAN	ECE	B.Tech	74
12020009002084	AYAN		SENGUPTA	ECE	B.Tech	75
12020009002085	SAMBITA		MAJUMDAR	ECE	B.Tech	76
12020009002086	SOUMYADEEP		CHAKRABORTY	ECE	B.Tech	77
12020009002087	SOUNAK		MAITI	ECE	B.Tech	78
12020009002088	SUPRAKASH		SAHOO	ECE	B.Tech	79
12020009002091	SANDEEP		KUMAR	ECE	B.Tech	80
12020009002092	SREEJITA		BOSE	ECE	B.Tech	81
12020009002093	RAJIB		NASKAR	ECE	B.Tech	82
12020009002094	SOUMYADEEP		GHOSH	ECE	B.Tech	83
12020009002095	ASHIS		SAH	ECE	B.Tech	84
12020009002096	SAKSHI		SHRUTI	ECE	B.Tech	85
12020009005001	MANN		VERMA	Electrical	B.Tech	1
12020009005002	ATANU		SANA	Electrical	B.Tech	2
12020009005003	SHREYOSI		ADHYAPAK	Electrical	B.Tech	3
12020009005004	SUBHRODEEP		HAZRA	Electrical	B.Tech	4
12020009005005	SOUHWIP		DAS	Electrical	B.Tech	5
12020009005006	DIPRAJIT		ROY	Electrical	B.Tech	6
12020009005007	PRITAM		SHEE	Electrical	B.Tech	7
12020009005008	BIMBAYAN		CHAKRABORTY	Electrical	B.Tech	8
12020009005009	ROMAN		BHADURI	Electrical	B.Tech	9
12020009005010	SUBHAM		ROY	Electrical	B.Tech	10
12020009005011	PRERANA		GHOSH	Electrical	B.Tech	11
12020009005012	NABARUPA		GHOSH	Electrical	B.Tech	12
12020009005013	KRITTIKA		DUTTA	Electrical	B.Tech	13
12020009005014	AKASH		DUTTA	Electrical	B.Tech	14
12020009005015	SUMON		BANERJEE	Electrical	B.Tech	15
12020009005016	ARITRIKA		GANGULY	Electrical	B.Tech	16
12020009005017	PRIUNGSHU		SANYAL	Electrical	B.Tech	17
12020009005018	SHUBHA	DIP	GOPE	Electrical	B.Tech	18
12020009005020	AYONAVO		CHAKRABORTY	Electrical	B.Tech	19
12020007015062	KOUSHIK		BHATTACHARYA	Electrical	B.Tech	20
12020009006001	AVAYJIT		DAS	Mechanical	B.Tech	1
12020009006002	DIPAK		KUMAR	Mechanical	B.Tech	2

12020009006003	SAYAN		GHOSH	Mechanical	B.Tech	3
12020009006004	MOHIT	GUHA	MUSTAFI	Mechanical	B.Tech	4
12020009006005	MONOSIJ		DAS	Mechanical	B.Tech	5
12020009006006	ABHAY		SHEKHAR	Mechanical	B.Tech	6
12020009006007	MRINMOYEE		GOLDER	Mechanical	B.Tech	7
12020009006008	SOUPTIK		MALLICK	Mechanical	B.Tech	8
12020001010001	AMIT		DEBNATH	M.B.A	M.B.A	1
12020001010002	ANANYA		KUNDU	M.B.A	M.B.A	2
12020001010003	ARPAN		DEY	M.B.A	M.B.A	3
12020001010004	DEBASMITA		BISWAS	M.B.A	M.B.A	4
12020001010005	DEBASMITA		SARKAR	M.B.A	M.B.A	5
12020001010006	GARGI		PAUL	M.B.A	M.B.A	6
12020001010007	JAHANARA		SULTANA	M.B.A	M.B.A	7
12020001010008	JEET		MISTRY	M.B.A	M.B.A	8
12020001010009	KAUSTABH		SARKAR	M.B.A	M.B.A	9
12020001010010	MRINAL		DAS	M.B.A	M.B.A	10
12020001010011	NEHA		MOLLAH	M.B.A	M.B.A	11
12020001010012	PAYEL		SENAPATI	M.B.A	M.B.A	12
12020001010013	PRABUDHAYA		DAS	M.B.A	M.B.A	13
12020001010014	PRITAM		BANERJEE	M.B.A	M.B.A	14
12020001010015	RANJAN		KUMAR	M.B.A	M.B.A	15
12020001010016	RESHMI		CHAKRABORTY	M.B.A	M.B.A	16
12020001010017	RESHOB		MOHANTA	M.B.A	M.B.A	17
12020001010018	RUPA		SAHA	M.B.A	M.B.A	18
12020001010019	RUPAM		DAS	M.B.A	M.B.A	19
12020001010020	SAALIS	SAMSAAMU L	HAQUE	M.B.A	M.B.A	20
12020001010021	SANDIPAN		BISWAS	M.B.A	M.B.A	21
12020001010022	SAYAN		MONDAL	M.B.A	M.B.A	22
12020001010023	SHILPA		DEY	M.B.A	M.B.A	23
12020001010024	SHWETA		MISHRA	M.B.A	M.B.A	24
12020001010025	SOURAV		DEY	M.B.A	M.B.A	25
12020001010026	SREYASI		NATH	M.B.A	M.B.A	26
12020001010027	SRINJOY		MONDAL	M.B.A	M.B.A	27
12020001010028	SUBHAM		PANDA	M.B.A	M.B.A	28
12020001010029	SUKRITY	GHOSHAL	ARCHI	M.B.A	M.B.A	29
12020001010030	SURUCHI		SINHA	M.B.A	M.B.A	30
12020001010031	SUVRANIL		PODDAR	M.B.A	M.B.A	31
12020001010032	TAPAS	KUMAR	MONDAL	M.B.A	M.B.A	32
12020001010033	TATHAGATA		SAHA	M.B.A	M.B.A	33
12020001010034	TRIPARNA		CHATTERJEE	M.B.A	M.B.A	34
12020001010035	VAIBHAW		SOMANI	M.B.A	M.B.A	35
12020001010036	VICTOR		BISWAS	M.B.A	M.B.A	36
12020001010037	AISHWARYA		HAZRA	M.B.A	M.B.A	37
12020001010038	MAHENDRA		PRASAD	M.B.A	M.B.A	38
12020001010039	MD	ABDUR	RAFIQUESARDER	M.B.A	M.B.A	39
12020001010040	MOHAMMAD		TAJ	M.B.A	M.B.A	40
12020001010041	PRIYANKA		SINGH	M.B.A	M.B.A	41
12020001010042	SAYAK		HALDER	M.B.A	M.B.A	42
12020001010043	TANIA		DAS	M.B.A	M.B.A	43
12020001010044	DHRITISUNDAR		ROY	M.B.A	M.B.A	44

12020001010045	DIPANWITA		BANIK	M.B.A	M.B.A	45
12020001010046	RITWIK		CHAKRABORTY	M.B.A	M.B.A	46
12020001010047	SURAJIT		DEY	M.B.A	M.B.A	47
12020001010048	AKASH		CHANDA	M.B.A	M.B.A	48
12020001010049	DEBRAJ		MUKHERJEE	M.B.A	M.B.A	49
12019001010047	DEBOJEET		MITRA	M.B.A	M.B.A	50
12020001010050	ARPAN		MAZUMDER	M.B.A	M.B.A	51
12020001010051	SUSMIT		CHATTERJEE	M.B.A	M.B.A	52
12020001010052	DEEPANWITA		KUNDU	M.B.A	M.B.A	53
12019001010050	SUBHADRA		SWAIN	M.B.A	M.B.A	54
12020001010053	AVIK		CHAKRABORTY	M.B.A	M.B.A	55
12020001010054	RAHUL		PANDEY	M.B.A	M.B.A	56
12020001010055	DEBMALYA		ROY	M.B.A	M.B.A	57
12020001010056	PRIYANKA		GIRI	M.B.A	M.B.A	58
12020001010057	SOUVAJIT		SEN	M.B.A	M.B.A	59
12020001010058	ABHISHEK		SINGH	M.B.A	M.B.A	60
12020007015001	SHUCHISMITA		PANDAB	M.C.A	M.C.A	1
12020007015002	ISHITA		MAITI	M.C.A	M.C.A	2
12020007015003	KOUSHIK		BAG	M.C.A	M.C.A	3
12020007015004	MANORANJAN		PANIGRAHI	M.C.A	M.C.A	4
12020007015005	SOUVICK		MOULICK	M.C.A	M.C.A	5
12020007015006	SOHAM		SARKAR	M.C.A	M.C.A	6
12020007015007	SWARNALI		GHOSH	M.C.A	M.C.A	7
12020007015008	ROSHNI		DEY	M.C.A	M.C.A	8
12020007015009	JULI	KUMARI	YADAV	M.C.A	M.C.A	9
12020007015010	MD	MEHMOOD	ALAM	M.C.A	M.C.A	10
12020007015011	MD	WASIM	ASLAM	M.C.A	M.C.A	11
12020007015012	ANURAG		CHATTERJEE	M.C.A	M.C.A	12
12020007015013	SOUTRIK		MAITRA	M.C.A	M.C.A	13
12020007015014	TRISHA		PAUL	M.C.A	M.C.A	14
12020007015015	SARBANI		CHATTERJEE	M.C.A	M.C.A	15
12020007015016	SHILPA		SHETH	M.C.A	M.C.A	16
12020007015017	SAGNIK		PAUL	M.C.A	M.C.A	17
12020007015018	KHOKAN		MANDAL	M.C.A	M.C.A	18
12020007015019	GOURAB		DAS	M.C.A	M.C.A	19
12020007015020	SAYAK		CHATTARAJ	M.C.A	M.C.A	20
12020007015021	DEBANITA		BANERJEE	M.C.A	M.C.A	21
12020007015022	SUBHADEEP		GORAI	M.C.A	M.C.A	22
12020007015023	RITAM		DEY	M.C.A	M.C.A	23
12020007015024	RIMPA		SIKDER	M.C.A	M.C.A	24
12020007015025	AURGHO		PAL	M.C.A	M.C.A	25
12020007015026	RAJESH		VISHWAKARMA	M.C.A	M.C.A	26
12020007015027	ATRAYE		BOSE	M.C.A	M.C.A	27
12020007015028	KOUSIK		SANNYASI	M.C.A	M.C.A	28
12020007015029	RAHAT		ISLAM	M.C.A	M.C.A	29
12020007015030	DEBOPAM		DAS	M.C.A	M.C.A	30
12020007015031	DEBASISH		GHOSH	M.C.A	M.C.A	31
12020007015032	SOMNATH		MONDAL	M.C.A	M.C.A	32
12020007015033	SUSMITA		BHATTACHARJEE	M.C.A	M.C.A	33
12020007015034	RITA	ROMANA	SINGH	M.C.A	M.C.A	34
12020007015035	SUVENDU		GORAIN	M.C.A	M.C.A	35
12020007015036	PROGOTI		GHOSH	M.C.A	M.C.A	36
12020007015037	SAYAN		SEN	M.C.A	M.C.A	37
12020007015038	VIKASH		KUMAR	M.C.A	M.C.A	38
12020007015039	SOMTIRTHA		GHOSH	M.C.A	M.C.A	39
12020007015040	RISH		RAJ	M.C.A	M.C.A	40

12020007015041	VISHAL	KUMAR	BARANWAL	M.C.A	M.C.A	41
12020007015042	ZAHIDA		KHATOON	M.C.A	M.C.A	42
12020007015043	SUBHAJIT		NANDI	M.C.A	M.C.A	43
12020007015044	SIDDHARTH		BOSE	M.C.A	M.C.A	44
12020007015045	ARPITA		SHIT	M.C.A	M.C.A	45
12020007015046	KAJAL		KUMARI	M.C.A	M.C.A	46
12020007015047	SAYANTANI		SARKAR	M.C.A	M.C.A	47
12020007015048	RAJIB	RATAN	KOLEY	M.C.A	M.C.A	48
12020007015049	SHEULI		BISWAS	M.C.A	M.C.A	49
12020007015050	MUBARAKA		BOTADWALA	M.C.A	M.C.A	50
12020007015051	CHANDAN	KUMAR	SHAW	M.C.A	M.C.A	51
12020007015052	PRITI		SINGH	M.C.A	M.C.A	52
12020007015053	AAKRITI		SINGH	M.C.A	M.C.A	53
12020007015054	JALESH		BANERJEE	M.C.A	M.C.A	54
12020007015055	DEBAPRIYA		MUKHERJEE	M.C.A	M.C.A	55
12020007015056	SUMIT		DAS	M.C.A	M.C.A	56
12020007015057	SAMYA		DUTTA	M.C.A	M.C.A	57
12020007015058	ISHA		CHAKRABORTY	M.C.A	M.C.A	58
12020007015059	RITUSHMITA		CHAKRABORTY	M.C.A	M.C.A	59
12020007015060	PARAMITA		DAS	M.C.A	M.C.A	60
12020008016001	SAYANTIKA	BOSE	CHAKRABORTY	Management	Ph.D	1
12020008016002	JYOTI	SEKHAR	BANERJEE	Engineering	Ph.D	2
12020008016003	ARPITA		CHAKRABORTY	Engineering	Ph.D	3
12020008016004	ROOPREKHA	BAKSI	MAITI	Management	Ph.D	4
12020008016005	PRITHA		GHOSH	Management	Ph.D	5
12020008016006	ANINDITA		CHATTERJEE	Engineering - CSE	Ph.D	6
12020008016007	UMAMA		HAQUE	Management	Ph.D	7
12020008016008	RATNA		CHAKRABORTY	Engineering- CSE	Ph.D	8
12020008016009	MITALI		SENGUPTA	Management	Ph.D	9
12020008016009	ARPITA		MAZUMDAR	Engineering - CSE	Ph.D	10
12020008016009	PAMPI		MAJUMDER	Basic Science	Ph.D	11
12020008016009	PRITHA		DAS	Management	Ph.D	12
12020008016009	RITUPARNA		PAL	Engineering - CSE	Ph.D	13
12020008016009	SAPTAPARNA		GHOSH	Management	Ph.D	14
12020008016009	NABANITA		DAS	Engineering	Ph.D	15
12020008016009	ANSHULIKA		SAHAY	Engineering	Ph.D	16
12020008016009	PRAGATI		SUREKA	Management	Ph.D	17
12020008016009	DEEPASHREE		DHAR	Humanities - English	Ph.D	18
12020008016009	DEBOTTAMA		ROY	Humanities - English	Ph.D	19
12020008016009	DIPANNITA		CHATTERJEE	Management	Ph.D	20
12020008016009	AJANTA		GHOSH	Management	Ph.D	21
12020008016009	KARUNAMAYEE		DEY	Engineering - ECE	Ph.D	22
12020008016009	SANGHAMITRA		CHAKRABARTI	Management	Ph.D	23
12020008016009	SAUHARDA		NANDI	Management	Ph.D	24
12020008016009	KAJARI		SUR	Engineering - ECE	Ph.D	25
12020008016009	POULAMI		GHOSH	Engineering - CSE	Ph.D	26



Admission Batch 2019-2020

Enrol.No	First Name	Middle Name	Last Name	Subject	Degree	CollegeNo.
12019003008002	ARPAN		SARKAR	B.B.A	B.B.A	1
12019003008003	SATHI		BISWAS	B.B.A	B.B.A	2
12019003008004	DEBAYAN		KARMAKAR	B.B.A	B.B.A	3
12019003008005	ANKAN		PAUL	B.B.A	B.B.A	4
12019003008006	AYAN		SIKDAR	B.B.A	B.B.A	5
12019003008007	SAYAN		MUKHERJEE	B.B.A	B.B.A	6
12019003008009	PAWAN	KUMAR	YADAV	B.B.A	B.B.A	7
12019003008010	DEBPARN		CHAKRABORTY	B.B.A	B.B.A	8
12019003008012	ENAKSHI		CHAKRABORTY	B.B.A	B.B.A	9
12019003008013	ANIRBAN		PAL	B.B.A	B.B.A	10
12019003008014	INDRANIL		CHAKRABORTY	B.B.A	B.B.A	11
12019003008015	DIPTANIL		MUKHERJEE	B.B.A	B.B.A	12
12019003008016	MD.MOBASHSHIR		HASSAN	B.B.A	B.B.A	13
12019003008018	HRITHIK		LASKAR	B.B.A	B.B.A	14
12019003008020	ALAPAN		BANIK	B.B.A	B.B.A	15
12019003008021	SETU		MAITY	B.B.A	B.B.A	16
12019003008022	SAHELI		SHIT	B.B.A	B.B.A	17
12019003008024	FAIZAN		FIROZ	B.B.A	B.B.A	18
12019003008025	ROUHIN		ACHARYA	B.B.A	B.B.A	19
12019003008026	ANKIT		BHOWMICK	B.B.A	B.B.A	20
12019003008027	PRITHA		DASGUPTA	B.B.A	B.B.A	21
12019003008028	OINDRILA		BANERJEE	B.B.A	B.B.A	22
12019003008029	PARTHA	PRATIM	DAS	B.B.A	B.B.A	23
12019003008030	SUBHADIP		SAMANTA	B.B.A	B.B.A	24
12019003008031	DEBARSHI		BANIK	B.B.A	B.B.A	25
12019003008033	ARGHADIP		BHATTACHARYA	B.B.A	B.B.A	26
12019003008034	DEBDEEP		KUNDU	B.B.A	B.B.A	27
12019003008035	YUSUF		ALAM	B.B.A	B.B.A	28
12019003008036	BARUN	KUMAR	ROY	B.B.A	B.B.A	29
12019003008037	SIMON		BARUA	B.B.A	B.B.A	30
12019003008038	ADITYA		MISHRA	B.B.A	B.B.A	31
12019003008039	SWAPNANIL		SAMANTA	B.B.A	B.B.A	32
12019003008040	DEBARATI		SAHA	B.B.A	B.B.A	33
12019003008041	ISHIKA		DEBNATH	B.B.A	B.B.A	34
12019003008042	ARKADEEP		GHOSH	B.B.A	B.B.A	35
12019003008043	SOUTIC		GHOSH	B.B.A	B.B.A	36
12019003008044	ANNESHA		SIKDAR	B.B.A	B.B.A	37
12019003008045	SHOURJYA		BANERJEE	B.B.A	B.B.A	38
12019003008046	SUDIP		DAS	B.B.A	B.B.A	39
12019003008047	JUFAREL		RAHAMAN	B.B.A	B.B.A	40
12019003008048	R		RITWIK	B.B.A	B.B.A	41
12019003008049	SAYAN		ROY	B.B.A	B.B.A	42
12019003008050	SUPARNA		GHOSH	B.B.A	B.B.A	43
12019003008052	SANANDITA	SAHA	CHOWDHURY	B.B.A	B.B.A	44
12019003008053	SUJOY		GAYEN	B.B.A	B.B.A	45
12019003008054	SHASHWATA		BANERJEE	B.B.A	B.B.A	46
12019003008055	SANDEEPAN		BANERJEE	B.B.A	B.B.A	47
12019003008056	SOUVIK		PANJA	B.B.A	B.B.A	48
12019003008057	ARKAPRABHA		PARUI	B.B.A	B.B.A	49
12019003008058	ANKUR		DEBNATH	B.B.A	B.B.A	50
12019003008059	SAHELI		SENGUPTA	B.B.A	B.B.A	51
12019003008061	RAKESH		MAITY	B.B.A	B.B.A	52
12019003008062	PRATYASHA		MAJUMDER	B.B.A	B.B.A	53
12019003008063	ARIJEET		KUNDU	B.B.A	B.B.A	54
12019003008064	SRASHTA		SAHA	B.B.A	B.B.A	55

12019003008065	SHIVANI		SINGH	B.B.A	B.B.A	56
12019003008067	RAHUL		SINGH	B.B.A	B.B.A	57
12019003008069	JOSAN		BISWAS	B.B.A	B.B.A	58
12019003008070	SOUMITA		BASAK	B.B.A	B.B.A	59
12019003008071	ANAY	KUMAR	DEY	B.B.A	B.B.A	60
12019003008073	RITAM		PAL	B.B.A	B.B.A	61
12019003008075	SILAD		BASAK	B.B.A	B.B.A	62
12019003008076	RAVI	KUMAR	SHARMA	B.B.A	B.B.A	63
12019003008077	SONU		PRADHAN	B.B.A	B.B.A	64
12019003008078	AAKASH		CHAKRABORTY	B.B.A	B.B.A	65
12019003008079	SIWANI		SINGH	B.B.A	B.B.A	66
12019003008080	ARITRA		GARAI	B.B.A	B.B.A	67
12019003008081	ABHINABA		DEY	B.B.A	B.B.A	68
12019003008083	JOTYRMOY		DEY	B.B.A	B.B.A	69
12019003008084	SHREYA		MAITRA	B.B.A	B.B.A	70
12019003008085	ANIMESH		KUMAR	B.B.A	B.B.A	71
12019003008086	VIVEK		KUMAR	B.B.A	B.B.A	72
12019003008102	ROHIT		SAHA	B.B.A	B.B.A	73
12019003008143	DIP		KUNDU	B.B.A	B.B.A	74
12019003008087	DIPAYAN		GHOSH	B.B.A	B.B.A	75
12019003008089	SHEBANGI		CHOWDHURY	B.B.A	B.B.A	76
12019003008090	ISHITA		SAHA	B.B.A	B.B.A	77
12019003008091	SAMUDRA		GUPTA	B.B.A	B.B.A	78
12019003008092	SRISTI		CHOWDHURY	B.B.A	B.B.A	79
12019003008094	KUSHAL		CHATTERJEE	B.B.A	B.B.A	80
12019003008095	AMAN	RAJ	SINGH	B.B.A	B.B.A	81
12019003008096	RATNADEEP		MUKHERJEE	B.B.A	B.B.A	82
12019003008098	PRATAP		MONDAL	B.B.A	B.B.A	83
12019003008100	SAYAN		BANERJEE	B.B.A	B.B.A	84
12019003008101	RISHA		MAJI	B.B.A	B.B.A	85
12019003008103	BISHNUDEB		MONDAL	B.B.A	B.B.A	86
12019003008104	SYED	WASIF	HOSSAIN	B.B.A	B.B.A	87
12019003008105	SOUMYADEEP		DEY	B.B.A	B.B.A	88
12019003008106	ANYA		RAJ	B.B.A	B.B.A	89
12019003008107	RAJDEEP		MONDAL	B.B.A	B.B.A	90
12019003008109	SOUMILI		SANTRA	B.B.A	B.B.A	91
12019003008108	AROSHI		BHATTACHARYA	B.B.A	B.B.A	92
12019003008110	RUPAL		KARAR	B.B.A	B.B.A	93
12019003008111	MOSARAB		MALLICK	B.B.A	B.B.A	94
12019003008113	ANIRBAN		PAUL	B.B.A	B.B.A	95
12019003008114	MD.		AYAN	B.B.A	B.B.A	96
12019003008115	ASHISH		KUMAR	B.B.A	B.B.A	97
12019003008116	SIDHANT		MEHRA	B.B.A	B.B.A	98
12019003008117	SREYA		SAHA	B.B.A	B.B.A	99
12019003008148	SOUMYADIP		MANTRI	B.B.A	B.B.A	100
12019003008119	SAYANI		CHAKRABORTY	B.B.A	B.B.A	101
12019003008118	ARITRA		PAL	B.B.A	B.B.A	102
12019003008120	MD	SHAMSHAD	HUSAIN	B.B.A	B.B.A	103
12019003008121	DEBRAJ		PAUL	B.B.A	B.B.A	104
12019003008124	JYOTI		SINGH	B.B.A	B.B.A	105
12019003008122	TRISHITA		PRADHAN	B.B.A	B.B.A	106
12019003008123	AKASH		MANDAL	B.B.A	B.B.A	107
12019003008125	AINDRILA		SARKAR	B.B.A	B.B.A	108
12019003008127	PIYUSH	KR	RANJAN	B.B.A	B.B.A	109
12019003008126	ALOK		KUMAR	B.B.A	B.B.A	110
12018003008033	SUBHRA	KANTI	DEY	B.B.A	B.B.A	111
12018003008065	KUNAL		SAHA	B.B.A	B.B.A	112

12018003008066	AMIYA		SINHA	B.B.A	B.B.A	113
12018003008069	RISHAV		ANAND	B.B.A	B.B.A	114
12019003008128	RATNADIP		PAUL	B.B.A	B.B.A	115
12019003008129	AYUSH		LAL	B.B.A	B.B.A	116
12019003008130	SHUBHAM		KUMAR	B.B.A	B.B.A	117
12019003008131	AKASH		KUMAR	B.B.A	B.B.A	118
12019003008133	HEMADRITA		SAHA	B.B.A	B.B.A	119
12019003008134	RIMPA		SINGHA	B.B.A	B.B.A	120
12019004009092	SOUMASIS		PAL	B.C.A	B.C.A	1
12019004009060	SAGNIK		DEY	B.C.A	B.C.A	2
12019004009028	SUBHAM		ACHARYA	B.C.A	B.C.A	3
12019004009054	GOURAB		SEN	B.C.A	B.C.A	4
12019004009058	RAJIB		JOARDER	B.C.A	B.C.A	5
12019004009079	RAJIB		KUNDU	B.C.A	B.C.A	6
12019004009050	PARVEJ		RAHAMAN	B.C.A	B.C.A	7
12019004009034	SOUVIK		GHOSH	B.C.A	B.C.A	8
12019004009056	DEBJYOTI		SARKAR	B.C.A	B.C.A	9
12019004009089	RAIMA		GHOSH	B.C.A	B.C.A	10
12019004009077	SNEHA		PAL	B.C.A	B.C.A	11
12019004009051	MOUSUMI		MONDAL	B.C.A	B.C.A	12
12019004009074	RAHUL		GHOSH	B.C.A	B.C.A	13
12019004009020	SANTANU		BERA	B.C.A	B.C.A	14
12019004009070	MANTHAN		LASKAR	B.C.A	B.C.A	15
12019004009003	SNEHA		DINDA	B.C.A	B.C.A	16
12019004009007	SHREYANSH		SHEKHAR	B.C.A	B.C.A	17
12019004009004	SYED	MOHD	SHOAIB	B.C.A	B.C.A	18
12019004009082	ALEKHYA		SARKAR	B.C.A	B.C.A	19
12019004009084	DEBAKSHYA		DUTTA	B.C.A	B.C.A	20
12019004009062	MUBASHIRA		RAHMAN	B.C.A	B.C.A	21
12019004009038	TUSHAR	KUMAR	SINGH	B.C.A	B.C.A	22
12019004009044	ROHIT		KUMAR	B.C.A	B.C.A	23
12019004009086	MOUBANI		KUCHLYAN	B.C.A	B.C.A	24
12019004009024	IPSHITA		SEAL	B.C.A	B.C.A	25
12019004009046	ANIKET		DEY	B.C.A	B.C.A	26
12019004009012	DEEP		ACHARYA	B.C.A	B.C.A	27
12019004009010	SUBHRAJYOTI		MONDAL	B.C.A	B.C.A	28
12019004009083	KRISHNENDU		DAS	B.C.A	B.C.A	29
12019004009047	NAFISA		PARVEEN	B.C.A	B.C.A	30
12019004009019	RAHUL		MAHALI	B.C.A	B.C.A	31
12019004009090	BISHWANATH		SHAW	B.C.A	B.C.A	32
12019004009005	RITAM		CHATTERJEE	B.C.A	B.C.A	33
12019004009008	SOUMYAJJAL		DAS	B.C.A	B.C.A	34
12019004009037	ANIKET		RAJ	B.C.A	B.C.A	35
12019004009042	SAYANTA		MAJUMDAR	B.C.A	B.C.A	36
12019004009059	SURJANGSHU		PATRA	B.C.A	B.C.A	37
12019004009065	RAKESH		GHOSH	B.C.A	B.C.A	38
12019004009048	GAURAV		DUTTA	B.C.A	B.C.A	39
12019004009039	SOMNATH		BISWAS	B.C.A	B.C.A	40
12019004009035	JOYJIT		GHOSH	B.C.A	B.C.A	41
12019004009095	SAYANTAN		JANA	B.C.A	B.C.A	42
12019004009096	SOUMYA		GOSWAMI	B.C.A	B.C.A	43
12019004009101	SAURAV		ACHARJEE	B.C.A	B.C.A	44
12018004009128	KARUNESH		MISHRA	B.C.A	B.C.A	45
12017004009011	ROHAN		SARKAR	B.C.A	B.C.A	46
12019004009108	PARTHA		NASKAR	B.C.A	B.C.A	47
12019004009110	MATRIKA		CHETTRI	B.C.A	B.C.A	48

12019004009111	DIVYA	SHIKHAR	MANRAL	B.C.A	B.C.A	49
12019004009115	SOUMYAJIT		KUNDU	B.C.A	B.C.A	50
12019004009116	RIYA		DEB	B.C.A	B.C.A	51
12019004009117	SAIKAT		SARKAR	B.C.A	B.C.A	52
12019004009120	SHIWANI		KUMARI	B.C.A	B.C.A	53
12019004009069	MOUMITA		DE	B.C.A	B.C.A	54
12019004009073	SANJUKTA		NAG	B.C.A	B.C.A	55
12019004009094	DHARMESH		UPADHYAY	B.C.A	B.C.A	56
12019004009091	ABHINAB		KAR	B.C.A	B.C.A	57
12019004009027	PULAK		BISWAS	B.C.A	B.C.A	58
12019004009043	TANAY		MONDAL	B.C.A	B.C.A	59
12019004009052	PRITHA		CHATTERJEE	B.C.A	B.C.A	60
12019004009064	RISHAV		SAHA	B.C.A	B.C.A	61
12019004009031	SOUMILI		DAS	B.C.A	B.C.A	62
12019004009040	ANIKET		DAS	B.C.A	B.C.A	63
12019004009030	SUMIT		TOPNO	B.C.A	B.C.A	64
12019004009076	VISHAL		PARUI	B.C.A	B.C.A	65
12019004009001	RAUNAK		CHAKRABORTY	B.C.A	B.C.A	66
12019004009085	KOUSHIK		PAUL	B.C.A	B.C.A	67
12019004009014	SWARNENDU		MONDAL	B.C.A	B.C.A	68
12019004009022	ANANYA		GHOSH	B.C.A	B.C.A	69
12019004009093	KSHITIJ		RAJ	B.C.A	B.C.A	70
12019004009032	NIRJHAR		DAS	B.C.A	B.C.A	71
12019004009055	SOURASHREE		BHATTACHARJEE	B.C.A	B.C.A	72
12019004009029	RAVI		KUMAR	B.C.A	B.C.A	73
12019004009068	SOUMMO	DIP	SAHA	B.C.A	B.C.A	74
12019004009045	KRISHNENDU		KUNDU	B.C.A	B.C.A	75
12019004009023	MRIGANKA		PAUL	B.C.A	B.C.A	76
12019004009026	SOUMYODIP		MUKHEREJEE	B.C.A	B.C.A	77
12019004009075	KAUSTAV		GHOSH	B.C.A	B.C.A	78
12019004009036	ADITYA		SINGH	B.C.A	B.C.A	79
12019004009072	AINESH		DUTTA	B.C.A	B.C.A	80
12019004009057	RISHAV		KHAMRUI	B.C.A	B.C.A	81
12019004009017	ANINDA		TEWARI	B.C.A	B.C.A	82
12019004009066	SWATTIK		MONDAL	B.C.A	B.C.A	83
12019004009033	AKASH		ROY	B.C.A	B.C.A	84
12019004009067	OINDRILA		BISWAS	B.C.A	B.C.A	85
12019004009013	ABHISHEK		CHAUDHARY	B.C.A	B.C.A	86
12019004009021	PREETAM		DAS	B.C.A	B.C.A	87
12019004009061	SOUMYA		PANDEY	B.C.A	B.C.A	88
12019004009011	SAPTAK		MONDAL	B.C.A	B.C.A	89
12019004009081	CHITRADEEP		MAJI	B.C.A	B.C.A	90
12019004009009	RAJ		GUPTA	B.C.A	B.C.A	91
12019004009088	ABHIRUP		DUTTA	B.C.A	B.C.A	92
12019004009041	ANTARA		SAHA	B.C.A	B.C.A	93
12019004009098	ARINDIP		DUTTA	B.C.A	B.C.A	94
12019004009099	RAJA		SAHA	B.C.A	B.C.A	95
12019004009102	KOUSTAV		PAUL	B.C.A	B.C.A	96
12019004009104	SIDDHARTHA		CHATTERJEE	B.C.A	B.C.A	97
12019004009105	TATHAGATA		ROY	B.C.A	B.C.A	98
12019004009107	SOUMESH		SANTRA	B.C.A	B.C.A	99
12019004009103	FAIZ		ASHRAF	B.C.A	B.C.A	100
12019004009100	SITAL		BARIK	B.C.A	B.C.A	101
12018004009123	ANINDITA		BANERJEE	B.C.A	B.C.A	102
12018004009008	KHUSHI	KUMARI	SINGH	B.C.A	B.C.A	103
12019004009109	MD.	NAZISH	WAHED	B.C.A	B.C.A	104
12019004009112	SOUVIK		SHIT	B.C.A	B.C.A	105

12019004009113	SOUMIK		DAS	B.C.A	B.C.A	106
12019004009114	SANGHITA		SINGHA	B.C.A	B.C.A	107
12019004009119	DINKAR		JHA	B.C.A	B.C.A	108
12018009019057	MANJARUL		ISLAM	B.C.A	B.C.A	109
12018009019309	SOURAV		JHA	B.C.A	B.C.A	110
12018009019461	NEELAVO		CHAKRABORTY	B.C.A	B.C.A	111
12019003008135	SAGAR	KUMAR	MANDAL	B.C.A	B.C.A	112
12019003008136	AMAN		GUPTA	B.C.A	B.C.A	113
12019003008137	ISHAAN	KUMAR	CHOUDHARY	B.C.A	B.C.A	114
12019012021030	PAYAL		THAKUR	BHM	BHM	1
12019012021020	PARAMITA		GUHA	BHM	BHM	2
12019012021028	PRITAM		DHAR	BHM	BHM	3
12019012021021	SHAYANEE		PAL	BHM	BHM	4
12019012021022	ANKITA		MALIK	BHM	BHM	5
12019012021026	ANNESHA		GORAIN	BHM	BHM	6
12019012021016	SWAGATA		PAL	BHM	BHM	7
12019012021005	SUBHAJIT		JANA	BHM	BHM	8
12019012021025	ANWESHA		DEB	BHM	BHM	9
12019012021024	CHURNI		BHATTACHARYYA	BHM	BHM	10
12019012021006	TUMPA		GHARAI	BHM	BHM	11
12019012021009	SURAJIT		HALDER	BHM	BHM	12
12019012021004	ANNESHA		GHOSH	BHM	BHM	13
12019012021027	PUJA		SETHIA	BHM	BHM	14
12019012021014	BAISHAKHI		PURKAIT	BHM	BHM	15
12019012021015	BIJOY		BISWAS	BHM	BHM	16
12019012021023	KUSHAGRA		SHARMA	BHM	BHM	17
12019012021037	MEGHNA		SARDAR	BHM	BHM	18
12019012021017	NISHA		KARMAKAR	BHM	BHM	19
12019012021018	PRIYANKA		SHAW	BHM	BHM	20
12019012021033	SANOWER		SK	BHM	BHM	21
12019012021019	SIPAN		MAJUMDER	BHM	BHM	22
12019012021010	DIPAN		SARKAR	BHM	BHM	23
12019012021035	RACHAITA		MAJUMDER	BHM	BHM	24
12019012021036	RANOJOY		GHOSH	BHM	BHM	25
12019012021001	SOUMYA		DEBNTH	BHM	BHM	26
12019012021032	DEVARYA		GHOSH	BHM	BHM	27
12019012021034	ANUPAM		SHARMA	BHM	BHM	28
12019012021011	PRADIPTA		GHOSH	BHM	BHM	29
12019012021013	PRASANTA		SEAL	BHM	BHM	30
12019012021039	PRIYANKA		GHOSH	BHM	BHM	31
12019012021042	KOMAL		KUMARI	BHM	BHM	32
12019012021041	MANISHA		DAS	BHM	BHM	33
12019012021040	SHUBHAM		KUMAR	BHM	BHM	34
12019012021044	ISANI		PATRA	BHM	BHM	35
12019012021046	BIKRAM		SARKAR	BHM	BHM	36
12019012021043	ADITYA		GAYEN	BHM	BHM	37
12019012021047	SYED	ZEESHAN	HUSSAIN	BHM	BHM	38
12019012021048	KRISHNENDU		JANA	BHM	BHM	39
12019012021050	PRATIBHA		KUMARI	BHM	BHM	40
12019012021051	ANJALI		KUMARI	BHM	BHM	41
12019003008138	SHUBHAM		ANAND	BHM	BHM	42
12019003008139	SUSMITA		KARAN	BHM	BHM	43
12019003008140	ATISHA		KUMARI	BHM	BHM	44
12019003008011	ANUSHKA		SINGH	BHM	BHM	45
12019003008141	PRISTHA		MONDAL	BHM	BHM	46
12019003008142	SHASHI	SHEKHAR	SUMAN	BHM	BHM	47

12019003008144	ANTARA		GHOSH	BHM	BHM	48
12019003008145	SAURABH		SINHA	BHM	BHM	49
12019009012008	ADITI		PAL	BioTech	B.TECH	1
12019009012023	AGNIVO		SAHA	BioTech	B.TECH	2
12019009012013	ANKITA		BANERJEE	BioTech	B.TECH	3
12019009012017	ASHMITA		SAMANTA	BioTech	B.TECH	4
12019009012032	DEBANKITA		DUTTA	BioTech	B.TECH	5
12019009012034	DRISHA		ROY	BioTech	B.TECH	6
12019009012011	ELIJA		GHOSH	BioTech	B.TECH	7
12019009012005	INDRANI		BOSE	BioTech	B.TECH	8
12019009012015	JITESH	KUMAR	MAHAKUD	BioTech	B.TECH	9
12019009012012	JYOTIRMOY		DAS	BioTech	B.TECH	10
12019009012025	MEGHNA		PRAMANIK	BioTech	B.TECH	11
12019009012006	MRINMOYEE		PODDAR	BioTech	B.TECH	12
12019009012019	NILABHA		DATTA	BioTech	B.TECH	13
12019009012010	PALAK		NAGAR	BioTech	B.TECH	14
12019009012002	PARICHITA		DAS	BioTech	B.TECH	15
12019009022038	SAHELI		SEN	BioTech	B.TECH	16
12019009012004	SAMRIDDHA		PAUL	BioTech	B.TECH	17
12019009012028	SHARANYA		PAUL	BioTech	B.TECH	18
12019009023071	SHREYA		BHATTACHARJEE	BioTech	B.TECH	19
12019009012020	SHREYA		PAUL	BioTech	B.TECH	20
12019009012029	SNEHA		CHOWDHURY	BioTech	B.TECH	21
12019009012001	SOHAM		BINDU	BioTech	B.TECH	22
12019009012022	SOMAVA		NATH	BioTech	B.TECH	23
12019009012024	SOUMILI		MAJUMDAR	BioTech	B.TECH	24
12019009012009	SOUNAK		CHANDA	BioTech	B.TECH	25
12019009012007	SOURISH		BHATTACHARJEE	BioTech	B.TECH	26
12019009006021	TATHAGATA		DEB	BioTech	B.TECH	27
12019009012021	UPASANA		SHARMA	BioTech	B.TECH	28
12019003008149	ISHAAN		SARKAR	BioTech	B.TECH	29
12019009001330	ANGIRA		CHAKRABORTY	CSE	B.TECH	1
12019009001402	ANJAN	KUMAR	PAUL	CSE	B.TECH	2
12019009001084	ARITRA		BANERJEE	CSE	B.TECH	3
12019009001063	ARNAB		GHOSH	CSE	B.TECH	4
12019009001458	BISWAYAN		BANERJEE	CSE	B.TECH	5
12019009001264	DEEPTI		TANYA	CSE	B.TECH	6
12019009001229	DIPAYAN		KARMAKAR	CSE	B.TECH	7
12019009001353	FAIZAN		ANWAR	CSE	B.TECH	8
12019009001197	HARSHITA		SHARMA	CSE	B.TECH	9
12019009001280	IRFAN		MAHMOOD	CSE	B.TECH	10
12019009001336	MANJEET	KUMAR	SHAW	CSE	B.TECH	11
12019009001417	MD.		SAQLAIN	CSE	B.TECH	12
12019009001366	MONOJIT		PALIT	CSE	B.TECH	13
12019009001188	NAVEED		NAZIR	CSE	B.TECH	14
12019009001320	PARTHA	PRATIM	RAY	CSE	B.TECH	15
12019009001246	PRATTUSHA		DUTTA	CSE	B.TECH	16
12019009001411	RAGHAVENDRA		SONALIA	CSE	B.TECH	17
12019009001093	RAJDEEP		PODDER	CSE	B.TECH	18
12019009001125	ROHIT		SINGHEE	CSE	B.TECH	19
12019009001044	SAHELI		PAL	CSE	B.TECH	20
12019009001015	SAMPREET		DUTTA	CSE	B.TECH	21
12019009001289	SANDIP		DAS	CSE	B.TECH	22
12019009001042	SAPTASWA		CHAKRABARTI	CSE	B.TECH	23
12019009001038	SAYAK		MANDAL	CSE	B.TECH	24

12019009001145	SAYAN		MUKHERJEE	CSE	B.TECH	25
12019009001412	SAYANTAN		ADAK	CSE	B.TECH	26
12019009001262	SHIVAM		SHARMA	CSE	B.TECH	27
12019009001226	SHREYA		RAKSHIT	CSE	B.TECH	28
12019009001238	SHUBHAM		DAS	CSE	B.TECH	29
12019009001296	SNEHA		PRADHAN	CSE	B.TECH	30
12019009001389	SOHAM		SAHA	CSE	B.TECH	31
12019009001043	SOUMYAJIT		MAITY	CSE	B.TECH	32
12019009001384	SPANDITA		BANERJEE	CSE	B.TECH	33
12019009001244	SRISHTI		DEBNATH	CSE	B.TECH	34
12019009001445	SUBHANKAR		PAL	CSE	B.TECH	35
12019009001203	SUDIP		PANDA	CSE	B.TECH	36
12019009001393	SUPRIYA		KARN	CSE	B.TECH	37
12019009001347	SUSNATA		GOSWAMI	CSE	B.TECH	38
12019009001088	TITIKSHA		PAUL	CSE	B.TECH	39
12019009001405	VERTIKA		SINGH	CSE	B.TECH	40
12019009001046	AADRITA		ADHIKARY	CSE	B.TECH	41
12019009001278	ABHRADEEP		SEN	CSE	B.TECH	42
12019009001202	ADITYA		RAY	CSE	B.TECH	43
12019009001241	ANGIRA		HALDER	CSE	B.TECH	44
12019009001111	ANKAN		ACHARYA	CSE	B.TECH	45
12019009001435	ANUSKA		ADHIKARI	CSE	B.TECH	46
12019009001325	ARIJIT		BHAKTA	CSE	B.TECH	47
12019009001328	ARITRA		BHUNIA	CSE	B.TECH	48
12019009001242	AYANAVA		CHAKRABORTY	CSE	B.TECH	49
12019009023056	BIDISHA		ROY	CSE	B.TECH	50
12019009001275	BISWAYAN		SARKAR	CSE	B.TECH	51
12019009001377	DEBAMALYA		PALAI	CSE	B.TECH	52
12019009001006	DEBOJYOTI		SARKAR	CSE	B.TECH	53
12019009001060	DEV DIP		DUTTA	CSE	B.TECH	54
12019009022002	DIPAYAN		MAITY	CSE	B.TECH	55
12019009001349	FIROJ		KHAN	CSE	B.TECH	56
12019009001137	HIMEL	SUBHRA	MAITY	CSE	B.TECH	57
12019009001131	ISHA		SINGH	CSE	B.TECH	58
12019009001292	LAHAMA		BANERJEE	CSE	B.TECH	59
12019009001423	MOUPALI		SEN	CSE	B.TECH	60
12019009001265	NIRUPAM		SARKAR	CSE	B.TECH	61
12019009001119	RAJDEEP	SEN	GUPTA	CSE	B.TECH	62
12019009001415	RESHMI	PAUL	CHOUDHURY	CSE	B.TECH	63
12019009001118	RISHABH		JAISWAL	CSE	B.TECH	64
12019009001298	SAGAR		SUMAN	CSE	B.TECH	65
12019009001332	SANDIP		MAHATO	CSE	B.TECH	66
12019009001306	SANKET		MITRA	CSE	B.TECH	67
12019009001383	SARADASHIS		MAITI	CSE	B.TECH	68
12019009001237	SAYAN		RAKSHIT	CSE	B.TECH	69
12019009023029	SAYANTAN		ADITYA	CSE	B.TECH	70
12019009001391	SHAILVI		MISHRA	CSE	B.TECH	71
12019009001198	SHIVANGI		JAISWAL	CSE	B.TECH	72
12019009001357	SIMRAN		JAISWAL	CSE	B.TECH	73
12019009001076	SNEHA		SAHA	CSE	B.TECH	74
12019009001373	SOHAM		SAMANTA	CSE	B.TECH	75
12019009001106	SOURISH		DAS	CSE	B.TECH	76
12019009001132	SREEJIT		CHAKRABORTY	CSE	B.TECH	77
12019009001356	SUBHAJIT		KUNDU	CSE	B.TECH	78
12019009001235	SUPRIYO		BANERJEE	CSE	B.TECH	79
12019009001310	SWARNALI		SAHA	CSE	B.TECH	80
12019009001302	TIYASH		MUKHERJEE	CSE	B.TECH	81

12019009001352	VIKKI		GUPTA	CSE	B.TECH	82
12019009001374	ABHRANIL		ROY	CSE	B.TECH	83
12019009001333	ANKAN		DAS	CSE	B.TECH	84
12019009001220	ANWESA		CHAKRABORTY	CSE	B.TECH	85
12019009001255	ARIJIT		CHATTERJEE	CSE	B.TECH	86
12019009001351	ARITRA		SANYAL	CSE	B.TECH	87
12019009001398	ARNOBRATA		GHOSH	CSE	B.TECH	88
12019009001434	ASHISH	KUMAR	TIWARI	CSE	B.TECH	89
12019009001039	BIHAN		CHAKRABORTY	CSE	B.TECH	90
12019009001457	DIPTARAJ		SEN	CSE	B.TECH	91
12019009001025	MANOJIT		MANDAL	CSE	B.TECH	92
12019009001029	PRAMITI		DAS	CSE	B.TECH	93
12019009001058	PRERANA		KUNDU	CSE	B.TECH	94
12019009001176	RAHUL		BANERJEE	CSE	B.TECH	95
12019009001256	RAJEEV		RANJAN	CSE	B.TECH	96
12019009001446	RISHAV		CHAKRABARTY	CSE	B.TECH	97
12019009001163	RITOJA		MUKHOPADHYAY	CSE	B.TECH	98
12019009001196	SAIKAT		PRADHAN	CSE	B.TECH	99
12019009001312	SANDIP		SHOME	CSE	B.TECH	100
12019009001324	SARADWATA		BANDYOPADHYAY	CSE	B.TECH	101
12019009001307	SAYAK		RANA	CSE	B.TECH	102
12019009001343	SAYANTAN		GHOSH	CSE	B.TECH	103
12019009001441	SHUBHAM		HAZRA	CSE	B.TECH	104
12019009001370	SNEHA		SAMANTA	CSE	B.TECH	105
12019009001421	SOUMILI		MAJUMDAR	CSE	B.TECH	106
12019009001444	SOURISH		DUTTA	CSE	B.TECH	107
12019009001285	SREENANDA		BISWAS	CSE	B.TECH	108
12019009001428	SUBHA		DAS	CSE	B.TECH	109
12019009001165	SUBHRADEEP		DAS	CSE	B.TECH	110
12019009001459	SUDIPTA		SANTRA	CSE	B.TECH	111
12019009001427	SUNIL	KUMAR	SHARMA	CSE	B.TECH	112
12019009001382	SUVECHHA		MUKHERJEE	CSE	B.TECH	113
12019009001170	ABIR		BASU	CSE	B.TECH	114
12019009001406	AHANA		SEN	CSE	B.TECH	115
12019009001250	ALEKHYA		NANDY	CSE	B.TECH	116
12019009001097	ANAMITRA		MAITI	CSE	B.TECH	117
12019009001381	ANIK		DUTTA	CSE	B.TECH	118
12019009001371	ANIMOY		DAS	CSE	B.TECH	119
12019009001069	ANNESHA		BASU	CSE	B.TECH	120
12019009001228	ARIJIT		CHATTERJEE	CSE	B.TECH	121
12019009001206	ARJU		KUMARI	CSE	B.TECH	122
12019009001061	ARPITA		DEY	CSE	B.TECH	123
12019009001359	ATANU		MAJI	CSE	B.TECH	124
12019009001126	AVIRUP		ROY	CSE	B.TECH	125
12019009002034	AYON		CHAKRABORTY	CSE	B.TECH	126
12019009001026	DEBANJAN		SAHA	CSE	B.TECH	127
12019009001462	DIPTARKA		ROY	CSE	B.TECH	128
12019009001346	GAURAV		KUMAR	CSE	B.TECH	129
12019009001326	HRISHAV		BHATTACHARJEE	CSE	B.TECH	130
12019009001213	KRITI		BISWAS	CSE	B.TECH	131
12019009001012	MADHURIMA		DAS	CSE	B.TECH	132
12019009001116	MASUD		GAZI	CSE	B.TECH	133
12019009001171	MD.ASFAK	AHMED	QUADERI	CSE	B.TECH	134
12019009001341	NIKHIL		KUMAR	CSE	B.TECH	135
12019009001408	PRERONA		MAZUMDER	CSE	B.TECH	136
12019009001322	RISHAV		SAHA	CSE	B.TECH	137
12019009001409	ROHAN		DAS	CSE	B.TECH	138

12019009001447	ROUNAK		ROY	CSE	B.TECH	139
12019009001110	SAIKAT		ROY	CSE	B.TECH	140
12019009001083	SANDIPAN		DAS	CSE	B.TECH	141
12019009001075	SANKHA	SUBHRA	DAS	CSE	B.TECH	142
12019009001311	SARANYA		BHATTACHARJEE	CSE	B.TECH	143
12019009001034	SAYAK		SIL	CSE	B.TECH	144
12019009001276	SAYANTAN		HAZRA	CSE	B.TECH	145
12019009001050	SHREYOSSEE		CHATTERJEE	CSE	B.TECH	146
12019009001221	SHUBHAM		MUKHERJEE	CSE	B.TECH	147
12019009001154	SNEHA		AGRAWAL	CSE	B.TECH	148
12019009001274	SNEHA		SHAW	CSE	B.TECH	149
12019009001313	SOUJATYA		KHAN	CSE	B.TECH	150
12019009001098	SOUMODEEP		DAS	CSE	B.TECH	151
12019009001293	SUBHADEEP		JANA	CSE	B.TECH	152
12019009001329	SUBHAM		AGARWAL	CSE	B.TECH	153
12019009001169	SUBHRADIP		NANDI	CSE	B.TECH	154
12019009001272	SUDIPTO		DUTTA	CSE	B.TECH	155
12019009001157	SURAJ		SAHA	CSE	B.TECH	156
12019009001120	SUVRA		SHAW	CSE	B.TECH	157
12019009001174	SWASTIK		DEY	CSE	B.TECH	158
12019009001294	TRIJIT	ROY	CHOWDHURY	CSE	B.TECH	159
12019009001318	VISHAL	KUMAR	SHAW	CSE	B.TECH	160
12019009001167	ABHIRUP		BERA	CSE	B.TECH	161
12019009001362	AILINA		BISWAS	CSE	B.TECH	162
12019009001394	ANIK	KUMAR	ROY	CSE	B.TECH	163
12019009001192	ANINDITA		JANA	CSE	B.TECH	164
12019009001360	ANKIT		HATI	CSE	B.TECH	165
12019009001194	ANWESHA		DUTTA	CSE	B.TECH	166
12019009001175	ARIJIT		GOSWAMI	CSE	B.TECH	167
12019009001023	ARKAPRABHA		DAS	CSE	B.TECH	168
12019009001195	ARUNABHA		NATH	CSE	B.TECH	169
12019009001168	CHANDRIMA		SARKAR	CSE	B.TECH	170
12019009001455	DEBORUP		CHATTERJEE	CSE	B.TECH	171
12019009001431	DISHA		GHOSH	CSE	B.TECH	172
12019009001193	ISHANI		GHATAK	CSE	B.TECH	173
12019009001451	MAYUKH		BISWAS	CSE	B.TECH	174
12019009001436	MD.		YUSUF	CSE	B.TECH	175
12019009001089	NOIMIK		SARKAR	CSE	B.TECH	176
12019009001450	POUSHALI		SANTRA	CSE	B.TECH	177
12019009001081	PRIYANKA		CHATTERJEE	CSE	B.TECH	178
12019009001456	RAHUL		DUTTA	CSE	B.TECH	179
12019009001300	RAJNIKA		GHOSH	CSE	B.TECH	180
12019009001390	RAJANYA		KAMILYA	CSE	B.TECH	181
12019009001234	ROUNAK		TOPDAR	CSE	B.TECH	182
12019009001211	SARTHAK		BOSE	CSE	B.TECH	183
12019009001291	SAYAN		BHADRA	CSE	B.TECH	184
12019009001259	SHAMBASHIB		MAJUMDAR	CSE	B.TECH	185
12019009001124	SHREYA		BASU	CSE	B.TECH	186
12019009001070	SHREYOSI		ROY	CSE	B.TECH	187
12019009001104	SOUKARJA		DUTTA	CSE	B.TECH	188
12019009001403	SOUMYA		DEY	CSE	B.TECH	189
12019009001449	SOURADIP		CHOWDHURY	CSE	B.Tech	190
12019009001401	SUBHAM		BHATTACHARYYA	CSE	B.TECH	191
12019009001008	SUJOY		GARAI	CSE	B.TECH	192
12019009001047	SUPARNA		SADHU	CSE	B.TECH	193
12019009001466	SURYA		SARKAR	CSE	B.TECH	194
12019009001419	SUVRANEEL		SAHA	CSE	B.TECH	195

12019009001248	TRINA		SARKAR	CSE	B.TECH	196
12019009001051	ABHISHEK		BISWAS	CSE	B.TECH	197
12019009001414	ADITI		MUKHERJEE	CSE	B.TECH	198
12019009001355	ANIK		MUKHERJEE	CSE	B.TECH	199
12019009001087	ANIRBAN	JYOTI	CHOWDHURY	CSE	B.TECH	200
12019009001130	ANKIT		KARAN	CSE	B.TECH	201
12019009001231	ANOUSHKA		BHATTACHARYA	CSE	B.TECH	202
12019009001041	ARIJIT		KARMAKAR	CSE	B.TECH	203
12019009001453	ARKAPRAVO		THAKUR	CSE	B.TECH	204
12019009001420	ARUNAVA		NANDI	CSE	B.TECH	205
12019009001410	ATREYEE		MUKHERJEE	CSE	B.TECH	206
12019009001315	BIKRAM		PANJIYARA	CSE	B.TECH	207
12019009001100	CHIRAG		CHAKRABORTY	CSE	B.TECH	208
12019009001314	HRITURAJ		GHOSH	CSE	B.TECH	209
12019009001339	KAMAL		KUMAR	CSE	B.TECH	210
12019009001112	KRITTIKA		GHOSH	CSE	B.TECH	211
12019009001021	MUKUL		CHAKRABORTY	CSE	B.TECH	212
12019009001078	PABITRA		KUNDU	CSE	B.TECH	213
12019009022118	PRABHAKAR	KUMAR	GIRI	CSE	B.TECH	214
12019009001142	PRINCE		TIWARY	CSE	B.TECH	215
12019009001288	PRIYANKA		SIKDER	CSE	B.TECH	216
12019009001031	RAJRIT		GHOSAL	CSE	B.TECH	217
12019009001284	RANJITA		SAHA	CSE	B.TECH	218
12019009001254	RIK		SARKAR	CSE	B.TECH	219
12019009001219	ROHAN		GHOSH	CSE	B.TECH	220
12019009001017	SAGNIK		GANGULY	CSE	B.TECH	221
12019009001212	SAYAN		CHAKRABORTY	CSE	B.TECH	222
12019009001268	SAYONI		SAHA	CSE	B.TECH	223
12019009001129	SHASWATA		GHOSH	CSE	B.TECH	224
12019009001121	SHREYA		BOSE	CSE	B.TECH	225
12019009022007	SHROMONA		NAG	CSE	B.Tech	226
12019009001102	SNEHA		BISWAS	CSE	B.TECH	227
12019009001177	SNEHEEL		SINGH	CSE	B.TECH	228
12019009001040	SOMESWAR		ROY	CSE	B.TECH	229
12019009001348	SOUMADEEP		DUTTA	CSE	B.TECH	230
12019009001210	SOUMYA		HALDAR	CSE	B.TECH	231
12019009001143	SOURAV		BHAUMIK	CSE	B.TECH	232
12019009001432	SOURYA		PAL	CSE	B.TECH	233
12019009001146	SRIJA		DASGUPTA	CSE	B.TECH	234
12019009001200	SUBHADEEP		PANDA	CSE	B.TECH	235
12019009001387	SWAGATA		SARDAR	CSE	B.TECH	236
12019009001186	TULIKA		DEY	CSE	B.TECH	237
12019009001385	ANIRBAN		MAHATA	CSE	B.TECH	238
12019009001331	ANSHIKA		JAIN	CSE	B.TECH	239
12019009001004	APRATIM		SAMUI	CSE	B.TECH	240
12019009001337	ARIJIT		MAJUMDAR	CSE	B.TECH	241
12019009001386	ARKOJEET		MUKHERJEE	CSE	B.TECH	242
12019009001430	ARUNIMA		ROY	CSE	B.TECH	243
12019009001216	BIRABRATA		PAL	CSE	B.TECH	244
12019009001062	CHIRAG		VIJAY	CSE	B.TECH	245
12019009001123	DEBASMITA		MALLICK	CSE	B.TECH	246
12019009001379	DEEP		MAJHI	CSE	B.TECH	247
12019009001020	DIGBIJOY		DASGUPTA	CSE	B.TECH	248
12019009001073	DIYA		SOOR	CSE	B.TECH	249
12019009001273	GUNJAN		OJHA	CSE	B.TECH	250
12019009001180	MAINAK		MONDAL	CSE	B.TECH	251
12019009001253	MEHULY		CHAKRABORTHY	CSE	B.TECH	252

12019009001463	MUKUL		KUMAR	CSE	B.TECH	253
12019009001183	NILANJAN		BANDYOPADHYAY	CSE	B.TECH	254
12019009001365	PANCHAJANYA		DAS	CSE	B.TECH	255
12019009001151	PRATIK		HALDAR	CSE	B.TECH	256
12019009001160	RAJRUPA		DAS	CSE	B.TECH	257
12019009001350	RITAGNI		MUKHERJEE	CSE	B.TECH	258
12019009001080	RUDRA		MAJUMDAR	CSE	B.TECH	259
12019009001223	SAGNIK		GHOSAL	CSE	B.TECH	260
12019009001465	SAMARJIT		GHOSH	CSE	B.TECH	261
12019009001271	SANHITA		DAS	CSE	B.TECH	262
12019009001442	SANTANU	KUMAR	MONDAL	CSE	B.TECH	263
12019009001266	SAYAN		DAS	CSE	B.TECH	264
12019009001263	SHREEMANTI		CHAKRABARTY	CSE	B.TECH	265
12019009001283	SHREYA		BOSE	CSE	B.TECH	266
12019009001252	SNEHOMOY		MAITRA	CSE	B.TECH	267
12019009001055	SOMNATH		DEY	CSE	B.TECH	268
12019009001245	SOUMYA		SEN	CSE	B.TECH	269
12019009001141	SUBHADIP		BANERJEE	CSE	B.TECH	270
12019009001190	SUBIMAL		SAHU	CSE	B.TECH	271
12019009001013	SULAGNA	DUTTA	CHOUDHURI	CSE	B.TECH	272
12019009001233	SUPRATIK		KANJILAL	CSE	B.TECH	273
12019009001094	TUNIR		GHOSH	CSE	B.TECH	274
12019009001440	ABHISHEK	KUMAR	YADAV	CSE	B.TECH	275
12019009001209	ADITYA		CHOUDHURY	CSE	B.TECH	276
12019009001380	AMIT	KUMAR	MAJI	CSE	B.TECH	277
12019009001082	ANIKET		GHOSH	CSE	B.TECH	278
12019009001424	ANIRBAN		PANDA	CSE	B.TECH	279
12019009001282	APURBA		DEY	CSE	B.TECH	280
12019009001461	ARIN		CHOWDHURY	CSE	B.TECH	281
12019009001358	ARNAB		BANERJEE	CSE	B.TECH	282
12019009001022	ARYA		BHATTACHARJEE	CSE	B.TECH	283
12019009001054	BISWADEEP		BHATTACHARYYA	CSE	B.TECH	284
12019009001227	CHIRANJIT		DEY	CSE	B.TECH	285
12019009001057	DEBJANI		MAJUMDER	CSE	B.TECH	286
12019009001107	DRICK		DATTA	CSE	B.TECH	287
12019009001066	INDIBAR		CHATTOPADHYAY	CSE	B.TECH	288
12019009001011	KAMYA		LALA	CSE	B.TECH	289
12019009001019	KUNAL		MAHATO	CSE	B.TECH	290
12019009001354	MD.		ADNAN	CSE	B.TECH	291
12019009001161	PANKAJ		KAPOOR	CSE	B.TECH	292
12019009001286	PRADUMNA		SINHA	CSE	B.TECH	293
12019009001045	PRATIK	SINGH	PATEL	CSE	B.TECH	294
12019009001079	PRITAM	KUMAR	MUKHOPADHYAY	CSE	B.TECH	295
12019009001258	RAHUL	KUMAR	DUBEY	CSE	B.TECH	296
12019009001340	RASHBIHARI		CHAKRABORTY	CSE	B.TECH	297
12019009001257	RITAM		BISWAS	CSE	B.TECH	298
12019009001368	ROHAN		KARMAKAR	CSE	B.TECH	299
12019009001138	SAGNIK		LALA	CSE	B.TECH	300
12019009022177	AADITYA		AGRAHARI	CST	B.TECH	1
12019009022061	ABHOY	KUMAR	MONDAL	CST	B.TECH	2
12019009022139	ADITYA		KUNDU	CST	B.TECH	3
12019009002168	AMRIT	KUMAR	JHA	CST	B.TECH	4
12019009022126	ANIKET		SINGH	CST	B.TECH	5
12019009022136	ANKUR	KUMAR	SINGH	CST	B.TECH	6
12019009022134	ARIF		MAHMOOD	CST	B.TECH	7
12019009022079	AVINABA		BERA	CST	B.TECH	8

12019009022122	BIDISHA		DAM	CST	B.TECH	9
12019009022148	DEBOBRATA		MODAK	CST	B.TECH	10
12019009022101	KAUSTAV		ROY	CST	B.TECH	11
12019009022199	NIRMALENDU		SAHA	CST	B.TECH	12
12019009022050	PRAKASH		CHATTERJEE	CST	B.TECH	13
12019009022146	RAIMA		GHOSH	CST	B.TECH	14
12019009022173	RIMPI		NAG	CST	B.TECH	15
12019009022083	RITESH	KUMAR	ADDYA	CST	B.TECH	16
12019009022076	SANJUKTA		PARVIN	CST	B.TECH	17
12019009022163	SONU		KUMAR	CST	B.TECH	18
12019009022107	SOUMIK		PAL	CST	B.TECH	19
12019009022161	SOURAV		SHIB	CST	B.TECH	20
12019009022077	SUMIT		GHOSH	CST	B.TECH	21
12019009001251	SWARNALI		CHATTOPADHYAYA	CST	B.TECH	22
12019009022142	ANKITA		KUMARI	CST	B.TECH	23
12019009001217	ARNAB	KUMAR	DEY	CST	B.TECH	24
12019009023011	ASHISH		GUPTA	CST	B.Tech	25
12019009022169	AVINASH		JHA	CST	B.TECH	26
12019009022165	JOYITA		ROY	CST	B.TECH	27
12019009022209	MD.	WASIM	SARDAR	CST	B.TECH	28
12019009022065	NAZNEEN		BEGAM	CST	B.TECH	29
12019009022093	POLOK		GHOSH	CST	B.TECH	30
12019009022143	PRAKHAR		KUMAR	CST	B.TECH	31
12019009002058	PRERANA		DUTTA	CST	B.TECH	32
12019009022127	PRITILIMA		KUMAR	CST	B.TECH	33
12019009022204	RAHINUR		LASKAR	CST	B.TECH	34
12019009002023	RANAJIT		BISWAS	CST	B.TECH	35
12019009022160	SAHIL		SAHA	CST	B.TECH	36
12019009022109	SAYAK		NANDAN	CST	B.TECH	37
12019009022128	SHREYAS		SAHA	CST	B.TECH	38
12019009022112	SHUBHAM		DUTTA	CST	B.TECH	39
12019009022055	SOUMIK		PAUL	CST	B.TECH	40
12019009002112	SOUMYAKANTI		JANA	CST	B.TECH	41
12019009022095	SUBHASHISH		DE	CST	B.TECH	42
12019009022032	SUDIPTA	NARAYAN	DHAR	CST	B.TECH	43
12019009022064	SUVADIP		PARIA	CST	B.TECH	44
12019009022040	AYUSH		TAH	CST	B.TECH	45
12019009022189	ALAPAN		SINGHA	CST	B.TECH	46
12019009022053	AMRITA		KUNDU	CST	B.TECH	47
12019009022110	ANIBAR		BHATTACHARYYA	CST	B.TECH	48
12019009022027	ANKUSH		KHANRA	CST	B.TECH	49
12019009022085	AYANDIP		GHOSH	CST	B.TECH	50
12019009002170	BITTU	KUMAR	GOSWAMI	CST	B.TECH	51
12019009002003	DEBOLEENA		BOSE	CST	B.TECH	52
12019009022196	DEVESH		RAJ	CST	B.TECH	53
12019009022145	KAJAL		KUMARI	CST	B.TECH	54
12019009022015	MD.AADIL			CST	B.TECH	55
12019009002100	NIHARIKA		DUTTA	CST	B.TECH	56
12019009022025	POULAMI		DAS	CST	B.TECH	57
12019009022104	PRIYADARSHI		ROY	CST	B.TECH	58
12019009022178	RAJARSHI		BANERJEE	CST	B.TECH	59
12019009006012	RANAPRATAP		GHOSH	CST	B.TECH	60
12019009022166	RHITAM		BANERJEE	CST	B.TECH	61
12019009002171	ROUNAK		MAJUMDER	CST	B.TECH	62
12019009022184	SAMRAT		CHOUWDHURY	CST	B.TECH	63
12019009022150	SANKHA	SUBHRA	NANDY	CST	B.TECH	64
12019009022033	SHRABASTI		GHATAK	CST	B.TECH	65

12019009022092	SHREYASI		PATRA	CST	B.TECH	66
12019009002048	SIMRAN		SINGH	CST	B.TECH	67
12019009022190	SOHAN		ADHIKARI	CST	B.TECH	68
12019009022009	SOUGATA		CHONDAR	CST	B.TECH	69
12019009022151	SOUMYOJIT		KUNDU	CST	B.TECH	70
12019009022031	SWARNAVA		HALDER	CST	B.TECH	71
12019009002020	ABHIGYAN		GHOSH	CST	B.TECH	72
12019009022158	ANWESHA		BANERJEE	CST	B.TECH	73
12019009022187	DEBOLINA		ADHIKARY	CST	B.TECH	74
12019009022090	DEYASHINI		SARKAR	CST	B.TECH	75
12019009002074	KALPAK		KANUNGO	CST	B.TECH	76
12019009022152	MRINAL		ANAND	CST	B.TECH	77
12019009022044	PRIYANKA		CHATTERJEE	CST	B.TECH	78
12019009022068	RAJARSHI		BANERJEE	CST	B.TECH	79
12019009022180	RAJEEV	RANJAN	SINGH	CST	B.TECH	80
12019009023121	RANIT		GHOSH	CST	B.TECH	81
12019009002167	RIJUSHREE		GUHA	CST	B.TECH	82
12019009002165	SAGNIK		ADHIKARY	CST	B.TECH	83
12019009022023	SAMUJJAL		CHAKRABORTY	CST	B.TECH	84
12019009022124	SHALINI		RAJ	CST	B.TECH	85
12019009022176	SHRESTHA		SAMADDER	CST	B.TECH	86
12019009005038	SOURODEEP		GHOSH	CST	B.TECH	87
12019009022137	SRESHTHA		KUNDU	CST	B.TECH	88
12019009022069	SUNIRBAN		BARICK	CST	B.TECH	89
12019009022016	ADEEB		HASAN	CST	B.TECH	90
12019009022060	ALIPRIYA		BANERJEE	CST	B.TECH	91
12019009022056	ATINDRA	KUMAR	PAL	CST	B.TECH	92
12019009002097	AYAN		ACHARYYA	CST	B.TECH	93
12019009022001	DHRUBAJYOTI		HALDER	CST	B.TECH	94
12019009022198	GOURAB		DEY	CST	B.TECH	95
12019009022179	KALPAK	KUMAR	DAS	CST	B.TECH	96
12019009022097	KRITTIKA		DAS	CST	B.TECH	97
12019009022138	MADHUSHREE		RAY	CST	B.TECH	98
12019009022130	MRINMOY		ROY	CST	B.TECH	99
12019009022147	PRASHANT	KUMAR	SINGH	CST	B.TECH	100
12019009022084	RAJARSHI		CHAKRABORTY	CST	B.TECH	101
12019009022010	RIK		HAIT	CST	B.TECH	102
12019009022035	ROHAN		DATTA	CST	B.TECH	103
12019009022043	SAGNIK		BOSE	CST	B.TECH	104
12019009022089	SAKSHI		SINGH	CST	B.TECH	105
12019009022188	SANDIPAN		MAJUMDAR	CST	B.TECH	106
12019009022049	SAYAN		SARKAR	CST	B.TECH	107
12019009002157	SNEHASISH		GHOSH	CST	B.TECH	108
12019009022074	SOMDATTA		CHATTOPADHYAY	CST	B.TECH	109
12019009022200	SUBHODEEP		MANNA	CST	B.TECH	110
12019009022192	SWASTIK		DUTTA	CST	B.TECH	111
12019009022195	VIVEK		KUMAR	CST	B.TECH	112
12019009022013	AMAN		CHOPRA	CST	B.TECH	113
12019009002004	ANANYA		DAS	CST	B.TECH	114
12019009022003	APRATIM		CHAKRABORTY	CST	B.TECH	115
12019009002174	AYAN		CHAKRABORTY	CST	B.TECH	116
12019009022071	AYUSHI		SARKAR	CST	B.TECH	117
12019009022029	DIBYOJYOTI		BISWAS	CST	B.TECH	118
12019009002125	DITIPRIYA		GUPTA	CST	B.TECH	119
12019009022182	GOURAB		GHOSHAL	CST	B.TECH	120
12019009022105	ISHITA		PAHARI	CST	B.TECH	121
12019009022121	MD	AINUL	HAQUE	CST	B.TECH	122

12019009022108	MEGHNA		SARKAR	CST	B.TECH	123
12019009022046	PRASUN		DAS	CST	B.TECH	124
12019009022008	RAHUL		KUMAR	CST	B.TECH	125
12019009022117	RAJARSHI		DAS	CST	B.TECH	126
12019009002037	SAYAN		SENGUPTA	CST	B.TECH	127
12019009022100	SHUBHANGI		CHATTERJEE	CST	B.TECH	128
12019009022159	SUBHAM		BISWAS	CST	B.TECH	129
12019009002144	SUBHRONATH		BANERJEE	CST	B.TECH	130
12019009022011	SURYADIPTA		SARKAR	CST	B.TECH	131
12019009022067	SWATTIK		KUNDU	CST	B.TECH	132
12019009022114	ABHISHEK		HELA	CST	B.TECH	133
12019009022181	AKASH	KUMAR	SINGH	CST	B.TECH	134
12019009022019	AMBAR		DUTTA	CST	B.TECH	135
12019009022173	ANIKET		CHAKARBORTY	CST	B.TECH	136
12019009022153	ANKIT		KUMAR	CST	B.TECH	137
12019009022099	AVIJIT		MAHATO	CST	B.TECH	138
12019009022062	BABU	PUSAN	DASGUPTA	CST	B.TECH	139
12019009022214	HRITWICK	KUMAR	BHAGAT	CST	B.TECH	140
12019009022146	KAMRUDDIN		KHAN	CST	B.TECH	141
12019009022174	MD	NAYEEM	SAFUI	CST	B.TECH	142
12019009022123	PUJA		PAUL	CST	B.TECH	143
12019009022185	RAJARSHI		SAMANTA	CST	B.TECH	144
12019009022193	RANVEER		KUMAR	CST	B.TECH	145
12019009022115	RIKDEV		MANDAL	CST	B.TECH	146
12019009022183	ROHAN		HALDER	CST	B.TECH	147
12019009022026	SANCHARI		GHOSAL	CST	B.TECH	148
12019009022088	SAURABH		KUMAR	CST	B.TECH	149
12019009022203	SAYANDEB		BISWAS	CST	B.TECH	150
12019009022081	SELA		MITRA	CST	B.TECH	151
12019009022197	SHRUTI		JAISWAL	CST	B.TECH	152
12019009022039	SIDHANT		JAISWAL	CST	B.TECH	153
12019009022191	SUBHAM		HAZRA	CST	B.TECH	154
12019009022213	SUSHANT	KUMAR	SUMAN	CST	B.TECH	155
12019009022144	TANYA		KUMARI	CST	B.TECH	156
12019009022091	YASH	SHANKAR	TIWARY	CST	B.TECH	157
12019009022149	ANANYA		MUKHERJEE	CST	B.TECH	158
12019009001448	ANKIT		MONDAL	CST	B.TECH	159
12019009022022	ANTARA		GHOSAL	CST	B.TECH	160
12019009022155	AYAN	KUMAR	GUPTA	CST	B.TECH	161
12019009022042	DEEP		NAG	CST	B.TECH	162
12019009022170	DIPANJAN		SAHA	CST	B.TECH	163
12019009022135	GURJOT		SINGH	CST	B.TECH	164
12019009022194	JIGISHA		BANERJEE	CST	B.TECH	165
12019009022051	MALYABAN		GANGULY	CST	B.TECH	166
12019009022141	MIRZA		IMRAN	CST	B.TECH	167
12019009022205	RAJBIR		SINGH	CST	B.TECH	168
12019009022059	RAJU	KUMAR	SAH	CST	B.TECH	169
12019009005039	SANJEET		KUMAR	CST	B.TECH	170
12019009022004	SAYAN		GHOSH	CST	B.TECH	171
12019009002137	SHERALY		HANSDA	CST	B.TECH	172
12019009022129	SIDDHANT		KUMAR	CST	B.TECH	173
12019009022154	SNEHA		DEB	CST	B.TECH	174
12019009022070	SAUMADIP	DEY	CHOUDHURY	CST	B.TECH	175
12019009022073	SRIJITA		PAL	CST	B.TECH	176
12019009022125	SUBHADIP		BASU	CST	B.TECH	177
12019009022014	SHUBHAM		SINGH	CST	B.TECH	178
12019009022047	SUMANA		DAS	CST	B.TECH	179

12019009022119	SWAPNIL		CHATTERJEE	CST	B.TECH	180
12019009022037	UDAYAN		MISRA	CST	B.TECH	181
12019009022113	ANCHAL	KUMAR	YADAV	CST	B.TECH	182
12019009022201	ARATRIKA		SAHA	CST	B.TECH	183
12019009022030	CHIRANTAN		CHAKRABORTY	CST	B.TECH	184
12019009022063	MANGALDEEP		BARAI	CST	B.TECH	185
12019009002047	PARAMITA		BASAK	CST	B.TECH	186
12019009022086	PRAGYA		CHAKRABORTY	CST	B.TECH	187
12019009022172	RAKSHIT		SAHOO	CST	B.TECH	188
12019009002102	SAYANDEEP		DAS	CST	B.TECH	189
12019009022156	SHUBHAM		ARYA	CST	B.TECH	190
12019009022034	SIDDHARTHA		BOSE	CST	B.TECH	191
12019009022082	SOMSHUDHYA		CHOWDHURY	CST	B.TECH	192
12019009022066	SOUMALYA		BANDYOPADHYAY	CST	B.TECH	193
12019009022111	SRIMOYEE		BHOWMICK	CST	B.TECH	194
12019009022206	SUDHANSHU		KUMAR	CST	B.TECH	195
12019009022005	AKASH	SINHA	RAY	CST	B.TECH	196
12019009022020	AMRAVO		ROY	CST	B.TECH	197
12019009022041	ANGAN		GIRI	CST	B.TECH	198
12019009022102	ANIKET		SAMANTA	CST	B.TECH	199
12019009022210	ANJALI		GUPTA	CST	B.TECH	200
12019009001281	ANURAG		UNNIKANNAN	CST	B.TECH	201
12019009002120	CHIRASREE		CHOWDHURY	CST	B.TECH	202
12019009022036	DWIPPAYAN		SAHA	CST	B.TECH	203
12019009022162	HARSH		CHOUHAN	CST	B.TECH	204
12019009022006	INDRANIL		DAS	CST	B.TECH	205
12019009022058	JOGESH		PAL	CST	B.TECH	206
12019009022017	KUSHAL		BASAK	CST	B.TECH	207
12019009022012	MANISH	KUMAR	UPADHYAY	CST	B.TECH	208
12019009022048	MD.	SAHIL	HASSAN	CST	B.TECH	209
12019009022054	MONALISA		CHOWDHURY	CST	B.TECH	210
12019009002066	NABARUN		MUKHOPADHYAY	CST	B.TECH	211
12019009022116	PRITAM		MAITY	CST	B.TECH	212
12019009006007	RAKTIM		DAS	CST	B.TECH	213
12019009022171	RIMPA		SAHA	CST	B.TECH	214
12019009022018	ROHIT	PRASAN	MANDAL	CST	B.TECH	215
12019009022167	SAGNIKA		SAMANTA	CST	B.TECH	216
12019009022131	SANJUKTA		NANDY	CST	B.TECH	217
12019009002162	SAYANDEEP		GHOSH	CST	B.TECH	218
12019009022106	SHUBHAM		DAS	CST	B.TECH	219
12019009022186	SNEHA		KUMARI	CST	B.TECH	220
12019009022120	SONIA		SAHA	CST	B.TECH	221
12019009022024	SOURAV		SARKAR	CST	B.TECH	222
12019009022052	SUMANT		KUMAR	CST	B.TECH	223
12019009022078	SUSMIT		DE	CST	B.TECH	224
12018009019416	SADIA		ANZUM	CST	B.TECH	225
12019003008150	NAIM		SARKAR	CST	B.TECH	226
12018003008101	MANISH		KUMAR	CST	B.TECH	227
12019009001059	SANCHAYAN		KUNDU	CST	B.TECH	228
12019009001185	SENJUTI		DEY	CST	B.TECH	229
12019009001464	SHREYA		MANDAL	CST	B.TECH	230
12019009001172	SOHAM		BANERJEE	CST	B.TECH	231
12019009001443	SOMOPRIYA		MONDAL	CST	B.TECH	232
12019009001113	SOUMYADEEP		DUTTA	CST	B.TECH	233
12019009001214	SOUVIK		DAS	CST	B.TECH	234
12019009001335	SUDESHNA		BHOWMIK	CST	B.TECH	235
12019009001033	SUPRATIM		BHATTACHARYA	CST	B.TECH	236

12019009001024	SUSHMIT		GHOSH	CST	B.TECH	237
12019009001127	ABHISHEK		SHARMA	CST	B.TECH	238
12019009001299	AMITRAJIT		DAS	CST	B.TECH	239
12019009001301	ANUBHAB		CHAKRABORTY	CST	B.TECH	240
12019009001316	ARINDAM		CHAKRABORTY	CST	B.TECH	241
12019009001433	ARYA		SARKAR	CST	B.TECH	242
12019009001095	AVIK		NAYAK	CST	B.TECH	243
12019009001105	AYAN		MONDAL	CST	B.TECH	244
12019009001204	BARUNABHA		BASAK	CST	B.TECH	245
12019009001152	DEBJIT		GOSWAMI	CST	B.TECH	246
12019009001166	DEEPANSHU		DUTTA	CST	B.TECH	247
12019009001092	DIPANKAR		DEY	CST	B.TECH	248
12019009001035	DWAIPAYAN		KARMAKAR	CST	B.TECH	249
12019009001418	HARI	KESH	RAI	CST	B.TECH	250
12019009001037	INDRAJIT		GHOSH	CST	B.TECH	251
12019009001215	JIT		SARKAR	CST	B.TECH	252
12019009001199	KUNTAL		SAHA	CST	B.TECH	253
12019009001064	MISBAUL		HAQUE	CST	B.TECH	254
12019009001270	MUSKAN		RAHAMAN	CST	B.TECH	255
12019009001454	NILANJANA		BISWAS	CST	B.TECH	256
12019009001361	PRATIM		MANDAL	CST	B.TECH	257
12019009001344	PRITAM		KUNDU	CST	B.TECH	258
12019009001247	PURBA		MANDAL	CST	B.TECH	259
12019009001397	RAJDEEP		CHATTERJEE	CST	B.TECH	260
12019009001367	RITAM		DUTTA	CST	B.TECH	261
12019009001114	ROHIT		HAZRA	CST	B.TECH	262
12019009001099	RUPAN		SARDAR	CST	B.TECH	263
12019009001018	SAGNIK	SINGHA	ROY	CST	B.TECH	264
12019009001364	SANJIB		SAHA	CST	B.TECH	265
12019009001309	SAYAK		JANA	CST	B.TECH	266
12019009001148	SAYAN		GUIN	CST	B.TECH	267
12019009001150	SHILPI		BERA	CST	B.TECH	268
12019009001321	SHREYA		MONDAL	CST	B.TECH	269
12019009001028	SNEHA		GHOSH	CST	B.TECH	270
12019009001189	SOHAM		BASU	CST	B.TECH	271
12019009001048	SOUMYADIP		DUTTA	CST	B.TECH	272
12019009001222	SOURAV		MONDAL	CST	B.TECH	273
12019009001085	SOUVIK		KANGSABANIK	CST	B.TECH	274
12019009001345	SUBHADIP		MAJI	CST	B.TECH	275
12019009001240	SUMANTA		BANERJEE	CST	B.TECH	276
12019009001068	SUSHOVAN		DEY	CST	B.TECH	277
12019009001139	SWAPNIL		GOSWAMI	CST	B.TECH	278
12019009001134	TIRTHARAJ		SINHA	CST	B.TECH	279
12019009001184	YASH		VERMA	CST	B.TECH	280
12019009001187	SHREYA		MANDAL	CST	B.TECH	281
12019009001136	ABHISHEK		TRIPATHI	CST	B.TECH	282
12019009001053	ANKUR	KUMAR	SINGH	CST	B.TECH	283
12019009001305	ARCHANA		SHARMA	CST	B.TECH	284
12019009001144	ARINDAM		KARMAKAR	CST	B.TECH	285
12019009001277	ARNAB		DEBNATH	CST	B.TECH	286
12019009001003	AVIK		ROY	CST	B.TECH	287
12019009001030	BISWARUP		JANA	CST	B.TECH	288
12019009001156	DEEPSAGAR		BORAL	CST	B.TECH	289
12019009001133	KANKANA		ROY	CST	B.TECH	290
12019009001205	NILOSREE		SENGUPTA	CST	B.TECH	291
12019009001181	PARNALI		KAR	CST	B.TECH	292
12019009001117	PRAJUKTA		MAITI	CST	B.TECH	293

12019009001108	PRATIM		TARAFDER	CST	B.TECH	294
12019009001077	PURBASHA		BANERJEE	CST	B.TECH	295
12017009001065	RAHUL		MONDAL	CST	B.TECH	296
12019009001236	RAJDEEP		MANDAL	CST	B.TECH	297
12019009001460	RAVI		RAJ	CST	B.TECH	298
12019009001363	RUPASHI		JAISWAL	CST	B.TECH	299
12019009001225	SAMBHRANTA		GUPTA	CST	B.TECH	300
12019009023162	AKHILESH		RANJAN	CSIT	B.TECH	1
12019009023090	ANUSHREE		MONDAL	CSIT	B.TECH	2
12019009023074	ASHIS		DAS	CSIT	B.TECH	3
12019009023098	AYAN		SHIL	CSIT	B.TECH	4
12019009023086	DARSHAN		TIBREWAL	CSIT	B.TECH	5
12019009023096	JOY		MALLICK	CSIT	B.TECH	6
12019009023064	KUSHAL		KHANDELWAL	CSIT	B.TECH	7
12019009023123	PRITAM		ROY	CSIT	B.TECH	8
12019009023132	RAKTIM		KARMAKAR	CSIT	B.TECH	9
12019009023004	REETAM		CHATTERJEE	CSIT	B.TECH	10
12019009023152	SABYASACHI		DUTTA	CSIT	B.TECH	11
12019009023040	SHAHROZ		KHAN	CSIT	B.TECH	12
12019009023077	SIMON		BARANWAL	CSIT	B.TECH	13
12019009023094	SUBHAJIT		BERA	CSIT	B.TECH	14
12019009023051	AKSHAY		SEN	CSIT	B.TECH	15
12019009023120	AMRITA		BEHERA	CSIT	B.TECH	16
12019009023068	ANKUR		SAHA	CSIT	B.TECH	17
12019009023137	KAUSTUV		GHOSH	CSIT	B.TECH	18
12019009023059	MANJEET		SINGH	CSIT	B.TECH	19
12019009023107	RAJ		TIWARI	CSIT	B.TECH	20
12019009023093	RITOBRATA		SARKAR	CSIT	B.TECH	21
12019009023163	ROSHAN		SINGH	CSIT	B.TECH	22
12019009023143	SAMPREETY		SAHA	CSIT	B.TECH	23
12019009023130	SOUBHIK		CHANDA	CSIT	B.TECH	24
12019009023079	STUTI		DAS	CSIT	B.TECH	25
12019009023030	SUMIT	KUMAR	MAITY	CSIT	B.TECH	26
12019009023061	ABDUR	RAHMAN	KHAN	CSIT	B.TECH	27
12019009023076	AHAN		DAS	CSIT	B.TECH	28
12019009023015	ANIMESH		PRASADI	CSIT	B.TECH	29
12019009023164	AVINASH	KUMAR	DAS	CSIT	B.TECH	30
12019009023088	DEBANJALI		KARMAKAR	CSIT	B.TECH	31
12019009023010	SREYOJIT		THAKUR	CSIT	B.TECH	32
12019009023109	GARGI		GANGULY	CSIT	B.TECH	33
12019009023023	HIRONMOY		CHOWDHURY	CSIT	B.TECH	34
12019009023112	ISHAAN		BANERJEE	CSIT	B.TECH	35
12019009023020	KRISHNENDU		GHOSH	CSIT	B.TECH	36
12019009023031	MADHUBANI		DAS	CSIT	B.TECH	37
12019009023147	MOUSUMI		MONDAL	CSIT	B.TECH	38
12019009023082	NISHA		KUMARI	CSIT	B.TECH	39
12019009023153	SAGNICK		DATTA	CSIT	B.TECH	40
12019009023087	SAYAN		ROY	CSIT	B.TECH	41
12019009023122	SHALINI		MISHRA	CSIT	B.TECH	42
12019009023006	SUBHAJIT		PATI	CSIT	B.TECH	43
12019009023038	SURAJ		KUMAR	CSIT	B.TECH	44
12019009023007	TIYASHA		PARIA	CSIT	B.TECH	45
12019009023091	VISHAL		CHAWLA	CSIT	B.TECH	46
12019009023135	ANKAN		SANTRA	CSIT	B.TECH	47
12019009023145	BIKASH		JHA	CSIT	B.TECH	48
12019009023100	ISHAN	PRAKASH	DAS	CSIT	B.TECH	49

12019009023097	NISTHA		DALMIA	CSIT	B.TECH	50
12019009023042	POULOMI		BISWAS	CSIT	B.TECH	51
12019009023102	PRANAB	KUMAR	SHIT	CSIT	B.TECH	52
12019009023001	RAHUL		DEBNATH	CSIT	B.TECH	53
12019009023070	SAYAN		SADHUKHAN	CSIT	B.TECH	54
12019009023053	SOHINI		MALLIK	CSIT	B.TECH	55
12019009023117	SOURABH	KUMAR	MISTRY	CSIT	B.TECH	56
12019009023157	ANAND	KUMAR	CHOUDHARY	CSIT	B.TECH	57
12019009023046	ANNESHA		MAZUMDAR	CSIT	B.TECH	58
12019009023148	AYUSH		SINHA	CSIT	B.TECH	59
12019009023028	BIKI		PAUL	CSIT	B.TECH	60
12019009023159	DEBAPRIYA		NAG	CSIT	B.TECH	61
12019009023009	HRITAM		BANERJEE	CSIT	B.TECH	62
12019009023128	NIKITA		THAKUR	CSIT	B.TECH	63
12019009023034	PRINCE	KUMAR	PANDEY	CSIT	B.TECH	64
12019009023072	RISHIKA			CSIT	B.TECH	65
12019009023049	SAMYABRATA		DATTA	CSIT	B.TECH	66
12019009023115	SANKHADIP		GIRI	CSIT	B.TECH	67
12019009023095	SAYANTAN		SAMANTA	CSIT	B.TECH	68
12019009023014	SHUBHAM		SINHA	CSIT	B.TECH	69
12019009023141	SNEHA		BHARGAV	CSIT	B.TECH	70
12019009023146	SOURODIP		NATH	CSIT	B.TECH	71
12019009023002	SREYA		BASU	CSIT	B.TECH	72
12019009023019	SUBHRO		ACHARJEE	CSIT	B.TECH	73
12019009023108	AISHANI		DHARA	CSIT	B.TECH	74
12019009023113	DEBARGHA		PAUL	CSIT	B.TECH	75
12019009023078	DEBASMITA		MAJUMDER	CSIT	B.TECH	76
12019009023062	MAINACK		DASGUPTA	CSIT	B.TECH	77
12019009023104	NILADRI		SAMANTA	CSIT	B.TECH	78
12019009023012	RITABINA		CHATTERJEE	CSIT	B.TECH	79
12019009023027	RUDRA	KUMAR	PODDAR	CSIT	B.TECH	80
12019009023106	SAKSHI		SINGH	CSIT	B.TECH	81
12019009023033	SANA		SIMRAN	CSIT	B.TECH	82
12019009023155	SANGLAP		CHAKRABORTY	CSIT	B.TECH	83
12019009023035	SANSKAR		RAI	CSIT	B.TECH	84
12019009023057	SAUMYAJIT		MONDAL	CSIT	B.TECH	85
12019009023119	SUKANNYA		ROY	CSIT	B.TECH	86
12019009023126	SUPRAKASH		SAHA	CSIT	B.TECH	87
12019009023154	WAHID		HOSSAIN	CSIT	B.TECH	88
12019009023110	ADITI		SAHA	CSIT	B.TECH	89
12019009023065	ANANYA		DAS	CSIT	B.TECH	90
12019009023105	AYAN		DUTTA	CSIT	B.TECH	91
12019009023048	JHILAM		CHAKRABORTY	CSIT	B.TECH	92
12019009023149	KUMAR		ISHAN	CSIT	B.TECH	93
12019009023017	PRABIN	KUMAR	MARNDI	CSIT	B.TECH	94
12019009023085	PRITAM	KUMAR	MALAKAR	CSIT	B.TECH	95
12019009023160	RAHUL		KUMAR	CSIT	B.TECH	96
12019009023092	SHUVECCHA		DUTTA	CSIT	B.TECH	97
12019009023021	SNEHA		DAS	CSIT	B.TECH	98
12019009023026	SOUMADEEP		MAJHI	CSIT	B.TECH	99
12019009022132	SOURAV		CHATTERJEE	CSIT	B.TECH	100
12019009023142	SOURYADEEP		DAS	CSIT	B.TECH	101
12019009023124	SRIJAN		PRADHAN	CSIT	B.TECH	102
12019009023032	SWAGATAMA		DAS	CSIT	B.TECH	103
12019009023050	AKASH	NARAIN	PANDAY	CSIT	B.TECH	104
12019009023047	AVIK		MUKHERJEE	CSIT	B.TECH	105
12019009023018	BANSHITA	DATTA	ROY	CSIT	B.TECH	106

12019009023134	MUNSHI	SABA	KHATOON	CSIT	B.TECH	107
12019009023129	NILANJAN		NATH	CSIT	B.TECH	108
12019009023139	PULAKESH		GHOSH	CSIT	B.TECH	109
12019009023039	RIMAN		DAS	CSIT	B.TECH	110
12019009023136	RUDRARUP		SAHA	CSIT	B.TECH	111
12019009023075	SAMARPITA		BAGAL	CSIT	B.TECH	112
12019009023150	SANTANU		MAJEE	CSIT	B.TECH	113
12019009023151	SAURIN	KUMAR	GHOSH	CSIT	B.TECH	114
12019009023037	SAYANDEEP		DAS	CSIT	B.TECH	115
12019009023041	SHRUTI		MANDAL	CSIT	B.TECH	116
12019009023084	SOURAV	DAS	SHUVA	CSIT	B.TECH	117
12019009023118	TAPABRATA		RANA	CSIT	B.TECH	118
12019009023080	YASH		TIWARI	CSIT	B.TECH	119
12019009023073	ADITYA		JAISWAL	CSIT	B.TECH	120
12019009002078	ABDUL	WAHID	QURAISHI	ECE	B.TECH	1
12019009002049	ABHINABA		SARKAR	ECE	B.TECH	2
12019009002075	ABHISHEK		DUTTA	ECE	B.TECH	3
12019009002036	AHAD		HASSAN	ECE	B.TECH	4
12019009002159	AMAN	KUMAR	TIWARI	ECE	B.TECH	5
12019009002013	AMLAN		MAJUMDAR	ECE	B.TECH	6
12019009002128	ANIKET		KIRTANIA	ECE	B.TECH	7
12019009002153	ANKIT	KUMAR	AGARWAL	ECE	B.TECH	8
12019009002090	ANKUSH		SAMANTA	ECE	B.TECH	9
12019009002085	ARCHI		SIL	ECE	B.TECH	10
12019009002099	ARKA	DAS	CHATTERJEE	ECE	B.TECH	11
12019009002084	AYAN		ACHARYA	ECE	B.TECH	12
12019009002064	BIDISA		DAS	ECE	B.TECH	13
12019009002014	BISWADEEP		BISWAS	ECE	B.TECH	14
12019009002025	DEBRAJ		SARDAR	ECE	B.TECH	15
12019009002160	GAUTAM		BASU	ECE	B.TECH	16
12019009002057	HRISHITA		BAGREE	ECE	B.TECH	17
12019009002081	ISHIKA		PODDAR	ECE	B.TECH	18
12019009002069	JOYDEEP		DUTTA	ECE	B.TECH	19
12019009002061	KISHAN		ADIKARY	ECE	B.TECH	20
12019009001395	MASUDUR		RAHAMAN	ECE	B.TECH	21
12019009002149	NAMAN		ARORA	ECE	B.TECH	22
12019009002070	SOUMARGO		CHAKRABORTY	ECE	B.TECH	23
12019009002094	PAUSANI		DAS	ECE	B.TECH	24
12019009002151	PIYUSH	KUMAR	SINGH	ECE	B.TECH	25
12019009002083	PRADEEPTA		SAHA	ECE	B.TECH	26
12019009002056	PRITAM		ATHA	ECE	B.TECH	27
12019009002117	PUJA		HALDER	ECE	B.TECH	28
12019009002011	RAHUL		MANDAL	ECE	B.TECH	29
12019009023025	RAJAT		GHOSH	ECE	B.TECH	30
12019009002026	RHEETWIZA		MANDAL	ECE	B.TECH	31
12019009002010	RISHAV		BHATTACHARYA	ECE	B.TECH	32
12019009002024	RITAM		CHATTERJEE	ECE	B.TECH	33
12019009005032	ROUNAK		MAITY	ECE	B.TECH	34
12019009001297	RUPAM		MANGAL	ECE	B.TECH	35
12019009002133	SAGNIK		NANDY	ECE	B.TECH	36
12019009002134	SAMIRAN		DAS	ECE	B.TECH	37
12019009002038	SANLAP		PALIT	ECE	B.TECH	38
12019009002164	SAYAN		CHATTERJEE	ECE	B.TECH	39
12019009002095	SAYANTIKA		DEY	ECE	B.TECH	40
12019009002172	SHAMBHAVI			ECE	B.TECH	41
12019009002092	SHARANYA		GOSWAMI	ECE	B.TECH	42

12019009002161	SHREYA		BASAK	ECE	B.TECH	43
12019009001323	SHREYA		MAJUMDAR	ECE	B.TECH	44
12019009002091	SIMON		SARKAR	ECE	B.TECH	45
12019009002126	SMRITI		THAKUR	ECE	B.TECH	46
12019009002111	SNEHA		PANDIT	ECE	B.TECH	47
12019009002046	SOHINI		DAS	ECE	B.TECH	48
12019009002077	SOMA		SAHA	ECE	B.TECH	49
12019009002115	SOUGATA		KARMAKAR	ECE	B.TECH	50
12019009002067	SOUMYAJIT		GHOSH	ECE	B.TECH	51
12019009001334	SOUVIK		BAG	ECE	B.TECH	52
12019009002009	SRIDEEP		BANERJEE	ECE	B.TECH	53
12019009002098	SRISTI		TRIVEDI	ECE	B.TECH	54
12019009002154	SUBHADRITA		GHOSH	ECE	B.TECH	55
12019009002039	SUBHAM	KUMAR	SAH	ECE	B.TECH	56
12019009002121	SUBHRADEEP		DE	ECE	B.TECH	57
12019009002018	SUBHRANEEL		SAHA	ECE	B.TECH	58
12019009002119	SUVASIS		KOLEY	ECE	B.TECH	59
12019009002109	TANJIR		AHMED	ECE	B.TECH	60
12019009005035	TATHAGATA		CHAKRABORTY	ECE	B.TECH	61
12019009002062	TUSHAR		SRIVASTAVA	ECE	B.TECH	62
12019009002016	YAGYASHREE		ACHARYA	ECE	B.TECH	63
12019009002007	ABHIJIT		MONDAL	ECE	B.TECH	64
12019009002032	ABHISHEK		AGARWAL	ECE	B.TECH	65
12019009002027	ABHISHEK		MAITY	ECE	B.TECH	66
12019009002105	AKASH		NANDI	ECE	B.TECH	67
12019009002065	AMIYO		SAHA	ECE	B.TECH	68
12019009002001	AMRIT	KUMAR	SINGH	ECE	B.TECH	69
12019009002071	ANINDITA		PAUL	ECE	B.TECH	70
12019009002107	ANKITA		PATRA	ECE	B.TECH	71
12019009002086	ANUBHAV		BHADRA	ECE	B.TECH	72
12019009002175	ARITRA		MANDAL	ECE	B.TECH	73
12019009002148	AVISHEK		CHANDA	ECE	B.TECH	74
12019009002006	BANIBRATA		SEN	ECE	B.TECH	75
12019009002108	BIPIN		KUMAR	ECE	B.TECH	76
12019009002141	DEBOPRIYO		RAY	ECE	B.TECH	77
12019009002096	DEEPRO		BARDHAN	ECE	B.TECH	78
12019009002114	ISHAN	JYOTI	RAY	ECE	B.TECH	79
12019009002106	JOYDEEP		ACHARYYA	ECE	B.TECH	80
12019009002147	JOYDIP		RAJ	ECE	B.TECH	81
12019009006010	MAHESANI		CHAKRABORTY	ECE	B.TECH	82
12019009002143	MITHILA		DATTA	ECE	B.TECH	83
12019009002045	NANDINI		GUPTA	ECE	B.TECH	84
12019009002040	PABITRA		PALADHI	ECE	B.TECH	85
12019009002169	PIYUSH		KUMAR	ECE	B.TECH	86
12019009002002	PRABAL		GHOSH	ECE	B.TECH	87
12019009006023	PRINCE		RAJ	ECE	B.TECH	88
12019009002053	PROTYAY		GHOSH	ECE	B.TECH	89
12019009002050	RAHUL		CHOWDHUY	ECE	B.TECH	90
12019009002156	RAJA	BABU	KAMTI	ECE	B.TECH	91
12019009002088	RANGIT		SENGUPTA	ECE	B.TECH	92
12019009002031	RIK		CHOWDHURY	ECE	B.TECH	93
12019009002136	RISHIRAJ		SARKAR	ECE	B.TECH	94
12019009002122	ROOPKATHA	ROY	CHOWDHURY	ECE	B.TECH	95
12019009002041	RUPAM		BANERJEE	ECE	B.TECH	96
12019009002076	RUPANKAR		BASAK	ECE	B.TECH	97
12019009002008	SAMBIT		MITRA	ECE	B.TECH	98
12019009002116	SANKET		BASAK	ECE	B.TECH	99

12019009002110	SAURAV		PANDIT	ECE	B.TECH	100
12019009002104	SAYAN		GHORAI	ECE	B.TECH	101
12019009002152	SHALINI		MONDAL	ECE	B.TECH	102
12019009002044	SHAMBHAVI		SOUMYA	ECE	B.TECH	103
12019009002158	SHIV		SANNIDHYA	ECE	B.TECH	104
12019009002015	SHREYA		DEY	ECE	B.TECH	105
12019009002139	SHUVENDU		SHIL	ECE	B.TECH	106
12019009002060	SMARANIKA		NAYAK	ECE	B.TECH	107
12019009002138	SNEHA		GHOSH	ECE	B.TECH	108
12019009002068	SOHINI		CHAKRABORTY	ECE	B.TECH	109
12019009002155	SOHINI		MITRA	ECE	B.TECH	110
12019009002103	SONIA		KARMAKAR	ECE	B.TECH	111
12019009002145	SOUMYADEEP		GHOSAL	ECE	B.TECH	112
12019009002166	SOUROPROVO		DATTA	ECE	B.TECH	113
12019009002131	SOUVIK		GHOSH	ECE	B.TECH	114
12019009002089	SRIJITA		BANDOPADHYAY	ECE	B.TECH	115
12019009002012	SUBHADIP		BHARARI	ECE	B.TECH	116
12019009002035	SUBHAM		BHATTACHARYYA	ECE	B.TECH	117
12019009002101	SUBHAM		MUKHERJEE	ECE	B.TECH	118
12019009002129	SUBHRAJYOTI		MANNA	ECE	B.TECH	119
12019009002017	SUPRIYO		BOR	ECE	B.TECH	120
12019009002028	SWAGNIK		GHOSH	ECE	B.TECH	121
12019009002063	TAPABROTA		GHOSH	ECE	B.TECH	122
12019009012014	UTTARAYAN		SAHA	ECE	B.TECH	123
12019009002163	ADITYA	NARAYAN	SHARMA	ECE	B.TECH	124
12019009001304	SANCHITA		DAS	ECE	B.TECH	125
12019009001158	SAPTARSHI		BANIK	ECE	B.TECH	126
12019009001437	SAYAK		MAITY	ECE	B.TECH	127
12019009001074	SAYAN		GUPTA	ECE	B.TECH	128
12019009001396	SHABNAM		ISLAM	ECE	B.TECH	129
12019009001399	SHIRSHA		BANERJEE	ECE	B.TECH	130
12019009001260	SHREYA		PAL	ECE	B.TECH	131
12019009001230	SIMI		ROY	ECE	B.TECH	132
12019009001178	SOHAM		DAS	ECE	B.TECH	133
12019009001016	SOUMAVA		BANERJEE	ECE	B.TECH	134
12019009001147	SOUMYAJIT		GHOSH	ECE	B.TECH	135
12019009001159	SOUVIK		PANDA	ECE	B.TECH	136
12019009001014	SUBHADIP		SAHOO	ECE	B.TECH	137
12019009001207	SUBHANKAR		DUTTA	ECE	B.TECH	138
12019009001002	SUPRITI		GANGULY	ECE	B.TECH	139
12019009001155	SWARNADEEP		PANJA	ECE	B.TECH	140
12019009001413	TITHI		DAS	ECE	B.TECH	141
12019009023099	AKASH		SARKAR	ECE	B.TECH	142
12019009023005	ANKITA		SIKDER	ECE	B.TECH	143
12019009023131	ARNAB		DAS	ECE	B.TECH	144
12019009023003	BISWARUP		BHATTACHARJEE	ECE	B.TECH	145
12019009023055	KANKANA		DEY	ECE	B.TECH	146
12019009023069	MD.	RISHER	ALI	ECE	B.TECH	147
12019009023008	RAHUL		MONDAL	ECE	B.TECH	148
12019009023045	RAVI		KUMAR	ECE	B.TECH	149
12019009023044	RIMON		MONDAL	ECE	B.TECH	150
12019009023081	SAMASREE		DAS	ECE	B.TECH	151
12019009023161	SANCHAYEETA		SAHA	ECE	B.TECH	152
12019009023067	SAPTAPARNA		GHOSH	ECE	B.TECH	153
12019009023036	SEWAK		KUMAR	ECE	B.TECH	154
12019009023089	UJJWAL		ROY	ECE	B.TECH	155

12019009006020	ABHISHEK		YADAV	Electrical	B.TECH	1
12019009005006	ALAPAN		BANERJEE	Electrical	B.TECH	2
12019009001376	ANIRBAN		AICH	Electrical	B.TECH	3
12019009005022	ANIRBAN		MONDAL	Electrical	B.TECH	4
12019009005014	ANKIT	KUMAR	ROY	Electrical	B.TECH	5
12019009005019	ANKUR		ROY	Electrical	B.TECH	6
12019009002087	ANKUSH		LOHA	Electrical	B.TECH	7
12019009005036	ANURAG		SENAPATI	Electrical	B.TECH	8
12019009005004	ARITRI		DE	Electrical	B.TECH	9
12019009005037	AVISHEK		ACHARYA	Electrical	B.Tech	10
12019009005028	BIKAY		DEBNATH	Electrical	B.TECH	11
12019009005009	DEBAYAN		GHOSH	Electrical	B.TECH	12
12019009005011	DIBYAJYOTI		DAS	Electrical	B.TECH	13
12019009005013	GOPAL		GHOSH	Electrical	B.TECH	14
12019009005023	NILANJANA		DAS	Electrical	B.TECH	15
12019009002055	PRABHAT	RANJAN	SINGH	Electrical	B.TECH	16
12019009005007	PROJESH	KUMAR	SAIN	Electrical	B.TECH	17
12019009005029	RAJAT	SUBHRA	DUTT	Electrical	B.TECH	18
12019009005026	RAJRUP	GUHA	SARKAR	Electrical	B.TECH	19
12019009005002	RAKESH		SAMANTA	Electrical	B.TECH	20
12019009005031	SANCHAY		KARMAKAR	Electrical	B.TECH	21
12019009005001	SAPTARSHI		MITRA	Electrical	B.TECH	22
12019009005033	SASWATA		MITRA	Electrical	B.TECH	23
12019009005020	SAYAK		GAYEN	Electrical	B.TECH	24
12019009005003	SAYON		RAY	Electrical	B.TECH	25
12019009002042	SOUMADEEP		MONDAL	Electrical	B.TECH	26
12019009005008	SOUMICK		SAHA	Electrical	B.TECH	27
12019009005030	SOURAV		NASKAR	Electrical	B.TECH	28
12019009005024	SRIDIP		NAG	Electrical	B.TECH	29
12019009005010	SUBRATA		BHAKTA	Electrical	B.TECH	30
12019009005025	SUDIPTO		JANA	Electrical	B.TECH	31
12019009005017	SUPRIYO		PROSAD	Electrical	B.TECH	32
12019009023116	TIRTHA		DUTTA	Electrical	B.TECH	33
12019009005021	TUSHAR		MONDAL	Electrical	B.TECH	34
12019009005041	GOURAB		GANGULY	Electrical	B.TECH	35
12019009005015	SUKREET		DAS	Electrical	B.TECH	36
12019007015064	AYAN		DAS	Electrical	B.TECH	37
12019009006005	AGNIVA		BANDYOPADHYAY	Mechanical	B.TECH	1
12019009006015	AKASH		KUMAR	Mechanical	B.TECH	2
12019009006016	ARNAB		DAS	Mechanical	B.TECH	3
12019009006009	CHANDRA	KANTH	DAS	Mechanical	B.TECH	4
12019009006003	JENGAINGAMANG		PAMEI	Mechanical	B.TECH	5
12019009006025	KUMAR		SHIVAM	Mechanical	B.TECH	6
12019009006013	MD	OMAR	KHAN	Mechanical	B.TECH	7
12019009006026	SAIKAT		BASAK	Mechanical	B.TECH	8
12019009006004	SANNU		KUMARI	Mechanical	B.TECH	9
12019009006006	SHAYAN		DASTIDAR	Mechanical	B.TECH	10
12019009006002	SOUMA		NANDY	Mechanical	B.TECH	11
12019009006011	SOUMYADEEP		KUILA	Mechanical	B.TECH	12
12019009006022	SOUNAK		DAS	Mechanical	B.TECH	13
12019009006019	SOUVIK		PRAMANIK	Mechanical	B.TECH	14
12019009006018	SUBHO		SAHA	Mechanical	B.TECH	15
12019009006008	SUBHROJYOTI		PAUL	Mechanical	B.TECH	16
12019009006001	TAHER		PARTAPURI	Mechanical	B.TECH	17
12019009006014	UJJAL		SAMANTA	Mechanical	B.TECH	18
12019009006024	SURAJ		KUMAR	Mechanical	B.TECH	19

12019009023158	ADITYA		KUMAR	Mechanical	B.TECH	20
12019009023052	ARYAN		GUPTA	Mechanical	B.TECH	21
12019009023144	AYAN		PAL	Mechanical	B.TECH	22
12019009023066	BEDDIPTA		PAL	Mechanical	B.TECH	23
12019009023054	DEBLINA		MAJI	Mechanical	B.TECH	24
12019009023125	DIPANKAR		MAHAPATRA	Mechanical	B.TECH	25
12019014020001	ARYAN		SINGH	LLB	B.B.A-L.L.B	1
12019014020002	PARAG	SOURAV	DAS	LLB	B.B.A-L.L.B	2
12019014020003	SHRISTI		KESHRI	LLB	B.B.A-L.L.B	3
12019014020004	CHIRASHREE		CHATTOPADHYAY	LLB	B.B.A-L.L.B	4
12019014020005	LOPAMUDRA		GANGULY	LLB	B.B.A-L.L.B	5
12019014020006	MD	SAHIL	AHMED	LLB	B.B.A-L.L.B	6
12019014020007	NEHA		DAS	LLB	B.B.A-L.L.B	7
12019014020008	SOUMYADIP		BHATTACHARYA	LLB	B.B.A-L.L.B	8
12019014020009	SAHIL		MONDAL	LLB	B.B.A-L.L.B	9
12019014020010	SAMUDRA		GUPTA	LLB	B.B.A-L.L.B	10
12019014020011	ABHIRUP		CHAUDHURI	LLB	B.B.A-L.L.B	11
12019014020012	SOURASISH		DE	LLB	B.B.A-L.L.B	12
12019014020013	RISA		DAS	LLB	B.B.A-L.L.B	13
12019014020014	ADITI		DAS	LLB	B.B.A-L.L.B	14
12019014020015	ARITRIKA		GANGULY	LLB	B.B.A-L.L.B	15
12019014020017	SUVROJIT		DHAR	LLB	B.B.A-L.L.B	16
12019014020019	SOHINI		KARAR	LLB	B.B.A-L.L.B	17
12019014020020	RATNA		MONDAL	LLB	B.B.A-L.L.B	18
12019014020022	PRITY		MONDAL	LLB	B.B.A-L.L.B	19
12019014020023	AFRUJA		BEGUM	LLB	B.B.A-L.L.B	20
12019014020021	ESHA		DAS	LLB	B.B.A-L.L.B	21
12019014020024	ANUSHKA		KUMARI	LLB	B.B.A-L.L.B	22
12019014020025	NILLOHIT		MONDAL	LLB	B.B.A-L.L.B	23
12019014020029	SAGUFTA		PARVEEN	LLB	B.B.A-L.L.B	24
12019014020030	RESHMI		NEHAR	LLB	B.B.A-L.L.B	25
12019009023156	RITAM		SARKAR	LLB	B.B.A-L.L.B	26
12019009023111	SRINJINI		BANDYOPADHYAY	LLB	B.B.A-L.L.B	27
12019007015001	PRAKHAR		BHATTACHARJEE	M.C.A	M.C.A	1
12019007015002	ANKIT	KUMAR	SONKAR	M.C.A	M.C.A	2
12019007015003	KANHAIYA	KUMAR	ROY	M.C.A	M.C.A	3
12019007015005	ARKA		SEN	M.C.A	M.C.A	4
12019007015006	ADITYA		JOARDER	M.C.A	M.C.A	5
12019007015007	CHANDAN		DUTTA	M.C.A	M.C.A	6
12019007015012	MAHESH		MANDAL	M.C.A	M.C.A	7
12019007015016	SAMRAT		CHATTERJEE	M.C.A	M.C.A	8
12019007015017	SUMAN		ACHARYA	M.C.A	M.C.A	9
12019007015018	AMIT		GHOSH	M.C.A	M.C.A	10
12019007015014	AYROTI	DEY	SARKAR	M.C.A	M.C.A	11
12019007015019	PRAPTI		BHATTACHARYA	M.C.A	M.C.A	12
12019007015021	SAYAN		BAL	M.C.A	M.C.A	13
12019007015023	SOUVIK		GHOSH	M.C.A	M.C.A	14
12019007015022	TIYASA		BHATTACHARYA	M.C.A	M.C.A	15
12019007015024	PRADIPTA		DEY	M.C.A	M.C.A	16
12019007015026	BISWADEEP		NANDI	M.C.A	M.C.A	17
12019007015029	SOHINI		ROY	M.C.A	M.C.A	18
12019007015027	RUDRADEEP		CHAUDHURI	M.C.A	M.C.A	19
12019007015028	RANAJAY		GHOSH	M.C.A	M.C.A	20
12019007015030	PURNENDU		SAMANTA	M.C.A	M.C.A	21
12019007015045	SHUBHAM		KUMAR	M.C.A	M.C.A	22

12019007015032	TANMOY		NABIK	M.C.A	M.C.A	23
12019007015031	DEBASHIS		GHOSH	M.C.A	M.C.A	24
12019007015037	ROUNAK		GARAI	M.C.A	M.C.A	25
12019007015033	RATUL		PODDER	M.C.A	M.C.A	26
12019007015035	PRIYANKA		PAUL	M.C.A	M.C.A	27
12019007015036	NISHI		PAUL	M.C.A	M.C.A	28
12019007015038	ANKIT		KUNDU	M.C.A	M.C.A	29
12019007015039	GAYATRI		SAO	M.C.A	M.C.A	30
12019007015040	LAXMAN	KUMAR	SOREN	M.C.A	M.C.A	31
12019007015041	SUMAN		DEY	M.C.A	M.C.A	32
12019007015042	KUNTAL		SARKAR	M.C.A	M.C.A	33
12019007015043	KISHLAY		RAJ	M.C.A	M.C.A	34
12019007015044	RAJAN	KUMAR	PRASAD	M.C.A	M.C.A	35
12019007015046	SHAINAZ		KHATOON	M.C.A	M.C.A	36
12019007015048	AVIJIT		SEN	M.C.A	M.C.A	37
12019007015047	OM		PRAKASH	M.C.A	M.C.A	38
12019007015049	SAYANDEEP		SENGUPTA	M.C.A	M.C.A	39
12019007015050	MOUSUMI		SINGH	M.C.A	M.C.A	40
12019007015062	SUMIT		KUMAR	M.C.A	M.C.A	41
12019007015052	SIDDHARTHA		CHOWDHURY	M.C.A	M.C.A	42
12019007015053	SHRISTI		CHAKRABORTY	M.C.A	M.C.A	43
12019007015055	ROUNAK		SAHA	M.C.A	M.C.A	44
12019007015056	SAPTAPARNI		DEB	M.C.A	M.C.A	45
12019007015057	SUBHADEEP		SARKAR	M.C.A	M.C.A	46
12019007015058	MANISHA		KHAN	M.C.A	M.C.A	47
12019007015059	SUBHANKAR		MAITY	M.C.A	M.C.A	48
12019007015060	ANKIT		KABASI	M.C.A	M.C.A	49
12019007015061	SAMADRITA		JYOTI	M.C.A	M.C.A	50
12019007015004	KAUSTUV		KALI	M.C.A	M.C.A	51
12019009023133	SUDIP		BERA	M.C.A	M.C.A	52
12019009023022	VAISHNAVI		KUMARI	M.C.A	M.C.A	53
12019009023060	YUBARAJ		MUKHERJEE	M.C.A	M.C.A	54
12019009023024	CHANDRARIT		MONDAL	M.C.A	M.C.A	55
12019007015063	ARUNAVA		NANDI	M.C.A	M.C.A	56
12019001010001	PAYEL		PAUL	M.B.A	M.B.A	1
12019001010002	ANISH	KUMAR	SRIVASTAVA	M.B.A	M.B.A	2
12019001010003	SHIVANGI		BHARDWAJ	M.B.A	M.B.A	3
12019001010005	DEBAPRIYA		ROY	M.B.A	M.B.A	4
12019001010006	KAUSTAV		PALIT	M.B.A	M.B.A	5
12019001010007	PRATIBHA		RAY	M.B.A	M.B.A	6
12019001010008	JOYJOY	RAM	RAY	M.B.A	M.B.A	7
12019001010009	POOJA		DHAWAN	M.B.A	M.B.A	8
12019001010010	AJIT		SINGH	M.B.A	M.B.A	9
12019001010011	ABHISHEK		BANERJEE	M.B.A	M.B.A	10
12019001010012	AMBIKA		PANDEY	M.B.A	M.B.A	11
12019001010013	SUMANTA		BOSE	M.B.A	M.B.A	12
12019001010014	PRASUN	KUMAR	ROUTH	M.B.A	M.B.A	13
12019001010015	SUSOMONA		PAUL	M.B.A	M.B.A	14
12019001010016	ISHANI		MUKHOPADHYAY	M.B.A	M.B.A	15
12019001010017	BIMURTA		MAJUMDER	M.B.A	M.B.A	16
12019001010018	INDRANI		HAZRA	M.B.A	M.B.A	17
12019001010019	MOUMITA		KUNDU	M.B.A	M.B.A	18
12019001010020	SHREY		PRASAD	M.B.A	M.B.A	19
12019001010021	KOMAL		ALMAL	M.B.A	M.B.A	20
12019001010022	NEHA		PRIYA	M.B.A	M.B.A	21
12019001010026	OINDRILA		DEY	M.B.A	M.B.A	22

Appendix 4.4

Details of Remedial/Bridge Course Schedules

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
CSE 2nd Year Time Table

		1st (9:20-10:20)	2nd (10:20-11:20)	3rd (11:20-12:20)	BREAK	4th (13:00-14:00)	5th (14:00-15:00)	6th (15:00-16:00)	7th (16:00-17:00)
MON	Subject	Data Structure & Algorithms	Discrete Mathematics	Digital System Design		Data Structure & Algorithms Laboratory	Data Structure & Algorithms Laboratory	Computer Organization & Architecture	Remedial/Bridge Class for Academically Poor Students
	Faculty	"BM"	"SKM"	"SKG", "NB", "SLC"		"BM", "ABK", "SBP"	"BM", "ABK", "SBP"	"VP"	
	Mode	Online	Online	Online		Online	Online	Online	Online
TUE	Subject	Computer Organization & Architecture Laboratory	Computer Organization & Architecture Laboratory	Humanities – I (Constitution of India, Essence of India and Knowledge Trading)		Artificial Intelligence & Machine Learning Fundamentals	Digital System Design Laboratory	Digital System Design Laboratory	Remedial/Bridge Class for Academically Poor Students
	Faculty	"NB", "SLC", "SBP"	"NB", "SLC", "SBP"	"DDS"		"SND", "MB", "SDC"	"SKG", "NB", "SLC"	"SKG", "NB", "SLC"	
	Mode	Online	Online	Online		Online	Online	Online	Online
WED	Subject	Data Structure & Algorithms	Artificial Intelligence & Machine Learning Fundamentals	Artificial Intelligence & Machine Learning Fundamentals		Mathematics & Statistics - III	SDP - III	SDP - III	Remedial/Bridge Class for Academically Poor Students
	Faculty	"BM"	"AT", "SDC"	"SND", "MB"		"DS"	"JJH"	"JJH"	
	Mode	Online	Online	Online		Online	Online	Online	Online
THU	Subject	Data Structure & Algorithms	Mathematics & Statistics - III	Digital System Design		Discrete Mathematics	Computer Organization & Architecture	ESP - III	Remedial/Bridge Class for Academically Poor Students
	Faculty	"BM"	"DS"	"SKG", "NB", "SLC"		"SKM"	"DC"	"ARC"	
	Mode	Online	Online	Online		Online	Online	Online	Online
FRI	Subject	Digital System Design	Discrete Mathematics	Mathematics & Statistics - III		Computer Organization & Architecture	Humanities – I (Constitution of India, Essence of India and Knowledge Trading)	ESP - III	Remedial/Bridge Class for Academically Poor Students
	Faculty	"SKG", "NB", "SLC"	"SKM"	"DS"		"VP"	"DDS"	"SBG"	
	Mode	Online	Online	Online		Online	Online	Online	Online

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
CSE 3rd Year Time Table

Day		1st (9:20-10:20)	2nd (10:20-11:20)	3rd (11:20-12:20)	BREAK (12:20-13:00)	4th (13:00-14:00)	5th (14:00-15:00)	6th (15:00-16:00)	7th (16:00-17:00)
MON	Subject	Design & Analysis of Algorithms	Database Management Systems	Microprocessors & Microcontrollers		Engineering Mathematics (Gate)	Object Oriented Programming Using JAVA Laboratory	Object Oriented Programming Using JAVA Laboratory	Remedial/Bridge Class for Academically Poor Students
	Faculty	"SKM"	"VP", "SDM"	"DC"		"DS"	"MB", "SDM"	"MB", "SDM"	
	Mode	Online	Online	Online		Online	Online	Online	Online
TUE	Subject	Object Oriented Programming Using JAVA	Microprocessors & Microcontrollers Lab	Microprocessors & Microcontrollers Lab		Computer Organization & Architecture (Gate)	Design & Analysis of Algorithms	Economics for Engineers	Remedial/Bridge Class for Academically Poor Students
	Faculty	"MB"	"DC", "AMD"	"DC", "AMD"		"VP"	"SKM"	"STD"	
	Mode	Online	Online	Online		Online	Online	Online	Online
WED	Subject	Pre-Placement Training	Pre-Placement Training	C Programming (Pre-Placement Training Class)		C Programming (Pre-Placement Training Class)	Python Programming (Pre-Placement Training Class)	Python Programming (Pre-Placement Training Class)	Remedial/Bridge Class for Academically Poor Students
	Faculty	"TM"	"TM"	"ABK", "SBP"		"ABK", "SBP"	"SDC", "BM"	"SDC", "BM"	
	Mode	Online	Online	Online		Online	Online	Online	Online
THU	Subject	Database Management Systems	Microprocessors & Microcontrollers	Object Oriented Programming Using JAVA		Digital Logic Design (Gate)	Database Management Systems Laboratory	Database Management Systems	Remedial/Bridge Class for Academically Poor Students
	Faculty	"VP", "SDM"	"DC"	"MB"		"NB", "SLC"	"VP", "SDM"	"VP", "SDM"	
	Mode	Online	Online	Online		Online	Online	Online	Online
FRI	Subject	Design & Analysis of Algorithms	Economics for Engineers	Database Management Systems		Theory of Computations (Gate)	Design & Analysis of Algorithms Laboratory	Design & Analysis of Algorithms Laboratory	Remedial/Bridge Class for Academically Poor Students
	Faculty	"SKM"	"KLD"	"VP", "SDM"		"DC"	"SKM", "ABK"	"SKM", "ABK"	
	Mode	Online	Online	Online		Online	Online	Online	Online

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
CSE 4th Year Time Table

		1st (9:20-10:20)	2nd (10:20-11:20)	3rd (11:20-12:20)	BR EA K	4th (13:00-14:00)	5th (14:00-15:00)	6th (15:00-16:00)	16:00 - 17.30
MON	Subject	Pre-Placement Training							Remedial/Bridge Class for Academically Poor Students
	Faculty	"TM"							
	Mode	Online							Online
TUE	Subject	Software Engineering / Computer Network / Interview & GD Skill Development (Pre-Placement Training Class)	Data Structure & Algorithm (Pre- Placement Training Class)	C Programming (Pre-Placement Training Class)		Artificial Intelligence	Internet Technology	Cryptography & Network Security	Remedial/Bridge Class for Academically Poor Students
	Faculty	"SKG"	"BM", "SKM"	"SND", "ANG"		"AT"	"SND"	"SR"	
	Mode	Online	Online	Online		Online	Online	Online	Online
WED	Subject	Java Programming (Pre-Placement Training Class)	DBMS (Pre-Placement Training Class)	Python Programming (Pre-Placement Training Class)		Image Processing	Mobile Computing	Cryptography & Network Security	Remedial/Bridge Class for Academically Poor Students
	Faculty	"SDM", "MB"	"VP"	"AT", "SDC"		"ANG"	"RPB"	"SR"	
	Mode	Online	Online	Online		Online	Online	Online	Online
THU	Subject	Python Programming (Pre-Placement Training Class)	Data Structure & Algorithm (Pre-Placement Training Class)	C Programming (Pre-Placement Training Class)		Compiler Design (Gate)	Computer Network (Gate)	Operating System(Gate)	Remedial/Bridge Class for Academically Poor Students
	Faculty	"AT", "SDC"	"BM", "SKM"	"SND", "ANG"		"SDC"	"SND"	"MB", "BM"	
	Mode	Online	Online	Online		Online	Online	Online	Online
FRI	Subject	DBMS (Pre-Placement Training Class)	Java Programming (Pre-Placement Training Class)	Data Science & Data Analytics (Pre-Placement Training Class)		Image Processing	Compiler Design	Artificial Intelligence	Remedial/Bridge Class for Academically Poor Students
	Faculty	"VP"	"SDM", "MB"	"MB"		"ANG"	"SDC"	"AT"	
	Mode	Online	Online	Online		Online	Online	Online	Online

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
CSIT 2nd Year Time Table

		1st (9:20-10:20)	2nd (10:20-11:20)	3rd (11:20-12:20)	BREA K	4th (13:00-14:00)	5th (14:00-15:00)	6th (15:00-16:00)	7th (16:00-17:00)
MON	Subject	Data Structure & Algorithms	Discrete Mathematics	Digital System Design		Data Structure & Algorithms Laboratory	Data Structure & Algorithms Laboratory	Computer Organization & Architecture	Remedial/Bridge Class for Academically Poor Students
	Faculty	"BM"	"SKM"	"SKG", "NB", "SLC"		"BM", "ABK", "SBP"	"BM", "ABK", "SBP"	"VP"	
	Mode	Online	Online	Online		Online	Online	Online	Online
TUE	Subject	Computer Organization & Architecture Laboratory	Computer Organization & Architecture Laboratory	Humanities – I (Constitution of India, Essence of India and Knowledge Trading)		Artificial Intelligence & Machine Learning Fundamentals	Digital System Design Laboratory	Digital System Design Laboratory	Remedial/Bridge Class for Academically Poor Students
	Faculty	"NB", "SLC", "SBP"	"NB", "SLC", "SBP"	"DDS"		"SND", "MB", "SDC"	"SKG", "NB", "SLC"	"SKG", "NB", "SLC"	
	Mode	Online	Online	Online		Online	Online	Online	Online
WED	Subject	Data Structure & Algorithms	Artificial Intelligence & Machine Learning Fundamentals	Artificial Intelligence & Machine Learning Fundamentals		Mathematics & Statistics - III	SDP - III	SDP - III	Remedial/Bridge Class for Academically Poor Students
	Faculty	"BM"	"AT", "SDC"	"SND", "MB"		"DS"	"JJH"	"JJH"	
	Mode	Online	Online	Online		Online	Online	Online	Online
THU	Subject	Data Structure & Algorithms	Mathematics & Statistics - III	Digital System Design		Discrete Mathematics	Computer Organization & Architecture	ESP - III	Remedial/Bridge Class for Academically Poor Students
	Faculty	"BM"	"DS"	"SKG", "NB", "SLC"		"SKM"	"DC"	"ARC"	
	Mode	Online	Online	Online		Online	Online	Online	Online
FRI	Subject	Digital System Design	Discrete Mathematics	Mathematics & Statistics - III		Computer Organization & Architecture	Humanities – I (Constitution of India, Essence of India and Knowledge Trading)	ESP - III	Remedial/Bridge Class for Academically Poor Students
	Faculty	"SKG", "NB", "SLC"	"SKM"	"DS"		"VP"	"DDS"	"SBG"	
	Mode	Online	Online	Online		Online	Online	Online	Online

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
CSIT 3rd Year Time Table

Day		1st (9:20-10:20)	2nd (10:20-11:20)	3rd (11:20-12:20)	BREAK (12:20-13:00)	4th (13:00-14:00)	5th (14:00-15:00)	6th (15:00-16:00)	7th (16:00-17:00)
MON	Subject	Design & Analysis of Algorithms	Database Management Systems	Microprocessors & Microcontrollers		Engineering Mathematics (Gate)	Object Oriented Programming Using JAVA Laboratory	Object Oriented Programming Using JAVA Laboratory	Remedial/Bridge Class for Academically Poor Students
	Faculty	"SKM"	"VP", "SDM"	"DC"		"DS"	"MB", "SDM"	"MB", "SDM"	
	Mode	Online	Online	Online		Online	Online	Online	Online
TUE	Subject	Object Oriented Programming Using JAVA	Microprocessors & Microcontrollers Lab	Microprocessors & Microcontrollers Lab		Computer Organization & Architecture (Gate)	Design & Analysis of Algorithms	Economics for Engineers	Remedial/Bridge Class for Academically Poor Students
	Faculty	"MB"	"DC", "AMD"	"DC", "AMD"		"VP"	"SKM"	"STD"	
	Mode	Online	Online	Online		Online	Online	Online	Online
WED	Subject	Pre-Placement Training	Pre-Placement Training	C Programming (Pre-Placement Training Class)		C Programming (Pre-Placement Training Class)	Python Programming (Pre-Placement Training Class)	Python Programming (Pre-Placement Training Class)	Remedial/Bridge Class for Academically Poor Students
	Faculty	"TM"	"TM"	"ABK", "SBP"		"ABK", "SBP"	"SDC", "BM"	"SDC", "BM"	
	Mode	Online	Online	Online		Online	Online	Online	Online
THU	Subject	Database Management Systems	Microprocessors & Microcontrollers	Object Oriented Programming Using JAVA		Digital Logic Design (Gate)	Database Management Systems Laboratory	Database Management Systems	Remedial/Bridge Class for Academically Poor Students
	Faculty	"VP", "SDM"	"DC"	"MB"		"NB", "SLC"	"VP", "SDM"	"VP", "SDM"	
	Mode	Online	Online	Online		Online	Online	Online	Online
FRI	Subject	Design & Analysis of Algorithms	Economics for Engineers	Database Management Systems		Theory of Computations (Gate)	Design & Analysis of Algorithms Laboratory	Design & Analysis of Algorithms Laboratory	Remedial/Bridge Class for Academically Poor Students
	Faculty	"SKM"	"KLD"	"VP", "SDM"		"DC"	"SKM", "ABK"	"SKM", "ABK"	
	Mode	Online	Online	Online		Online	Online	Online	Online

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
CSIT 4th Year Time Table

		1st (9:20-10:20)	2nd (10:20-11:20)	3rd (11:20-12:20)	BR EA K	4th (13:00-14:00)	5th (14:00-15:00)	6th (15:00-16:00)	16:00 - 17.30
MON	Subject	Pre-Placement Training							Remedial/Bridge Class for Academically Poor Students
	Faculty	"TM"							
	Mode	Online							Online
TUE	Subject	Software Engineering / Computer Network / Interview & GD Skill Development (Pre-Placement Training Class)	Data Structure & Algorithm (Pre- Placement Training Class)	C Programming (Pre-Placement Training Class)		Artificial Intelligence	Internet Technology	Cryptography & Network Security	Remedial/Bridge Class for Academically Poor Students
	Faculty	"SKG"	"BM", "SKM"	"SND", "ANG"		"AT"	"SND"	"SR"	
	Mode	Online	Online	Online		Online	Online	Online	Online
WED	Subject	Java Programming (Pre-Placement Training Class)	DBMS (Pre-Placement Training Class)	Python Programming (Pre-Placement Training Class)		Image Processing	Mobile Computing	Cryptography & Network Security	Remedial/Bridge Class for Academically Poor Students
	Faculty	"SDM", "MB"	"VP"	"AT", "SDC"		"ANG"	"RPB"	"SR"	
	Mode	Online	Online	Online		Online	Online	Online	Online
THU	Subject	Python Programming (Pre-Placement Training Class)	Data Structure & Algorithm (Pre-Placement Training Class)	C Programming (Pre-Placement Training Class)		Compiler Design (Gate)	Computer Network (Gate)	Operating System(Gate)	Remedial/Bridge Class for Academically Poor Students
	Faculty	"AT", "SDC"	"BM", "SKM"	"SND", "ANG"		"SDC"	"SND"	"MB", "BM"	
	Mode	Online	Online	Online		Online	Online	Online	Online
FRI	Subject	DBMS (Pre-Placement Training Class)	Java Programming (Pre-Placement Training Class)	Data Science & Data Analytics (Pre-Placement Training Class)		Image Processing	Compiler Design	Artificial Intelligence	Remedial/Bridge Class for Academically Poor Students
	Faculty	"VP"	"SDM", "MB"	"MB"		"ANG"	"SDC"	"AT"	
	Mode	Online	Online	Online		Online	Online	Online	Online

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
CST 2nd Year Time Table

		1st (9:20-10:20)	2nd (10:20-11:20)	3rd (11:20-12:20)	BREAK	4th (13:00-14:00)	5th (14:00-15:00)	6th (15:00-16:00)	7th (16:00-17:00)
MON	Subject	Data Structure & Algorithms	Discrete Mathematics	Digital System Design		Data Structure & Algorithms Laboratory	Data Structure & Algorithms Laboratory	Computer Organization & Architecture	Remedial/Bridge Class for Academically Poor Students
	Faculty	"BM"	"SKM"	"SKG", "NB", "SLC"		"BM", "ABK", "SBP"	"BM", "ABK", "SBP"	"VP"	
	Mode	Online	Online	Online		Online	Online	Online	Online
TUE	Subject	Computer Organization & Architecture Laboratory	Computer Organization & Architecture Laboratory	Humanities – I (Constitution of India, Essence of India and Knowledge Trading)		Artificial Intelligence & Machine Learning Fundamentals	Digital System Design Laboratory	Digital System Design Laboratory	Remedial/Bridge Class for Academically Poor Students
	Faculty	"NB", "SLC", "SBP"	"NB", "SLC", "SBP"	"DDS"		"SND", "MB", "SDC"	"SKG", "NB", "SLC"	"SKG", "NB", "SLC"	
	Mode	Online	Online	Online		Online	Online	Online	Online
WED	Subject	Data Structure & Algorithms	Artificial Intelligence & Machine Learning Fundamentals	Artificial Intelligence & Machine Learning Fundamentals		Mathematics & Statistics - III	SDP - III	SDP - III	Remedial/Bridge Class for Academically Poor Students
	Faculty	"BM"	"AT", "SDC"	"SND", "MB"		"DS"	"JJH"	"JJH"	
	Mode	Online	Online	Online		Online	Online	Online	Online
THU	Subject	Data Structure & Algorithms	Mathematics & Statistics - III	Digital System Design		Discrete Mathematics	Computer Organization & Architecture	ESP - III	Remedial/Bridge Class for Academically Poor Students
	Faculty	"BM"	"DS"	"SKG", "NB", "SLC"		"SKM"	"DC"	"ARC"	
	Mode	Online	Online	Online		Online	Online	Online	Online
FRI	Subject	Digital System Design	Discrete Mathematics	Mathematics & Statistics - III		Computer Organization & Architecture	Humanities – I (Constitution of India, Essence of India and Knowledge Trading)	ESP - III	Remedial/Bridge Class for Academically Poor Students
	Faculty	"SKG", "NB", "SLC"	"SKM"	"DS"		"VP"	"DDS"	"SBG"	
	Mode	Online	Online	Online		Online	Online	Online	Online

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
CST 3rd Year Time Table

Day		1st (9:20-10:20)	2nd (10:20-11:20)	3rd (11:20-12:20)	BREAK (12:20-13:00)	4th (13:00-14:00)	5th (14:00-15:00)	6th (15:00-16:00)	7th (16:00-17:00)
MON	Subject	Design & Analysis of Algorithms	Database Management Systems	Microprocessors & Microcontrollers		Engineering Mathematics (Gate)	Object Oriented Programming Using JAVA Laboratory	Object Oriented Programming Using JAVA Laboratory	Remedial/Bridge Class for Academically Poor Students
	Faculty	"SKM"	"VP", "SDM"	"DC"		"DS"	"MB", "SDM"	"MB", "SDM"	
	Mode	Online	Online	Online		Online	Online	Online	Online
TUE	Subject	Object Oriented Programming Using JAVA	Microprocessors & Microcontrollers Lab	Microprocessors & Microcontrollers Lab		Computer Organization & Architecture (Gate)	Design & Analysis of Algorithms	Economics for Engineers	Remedial/Bridge Class for Academically Poor Students
	Faculty	"MB"	"DC", "AMD"	"DC", "AMD"		"VP"	"SKM"	"STD"	
	Mode	Online	Online	Online		Online	Online	Online	Online
WED	Subject	Pre-Placement Training	Pre-Placement Training	C Programming (Pre-Placement Training Class)		C Programming (Pre-Placement Training Class)	Python Programming (Pre-Placement Training Class)	Python Programming (Pre-Placement Training Class)	Remedial/Bridge Class for Academically Poor Students
	Faculty	"TM"	"TM"	"ABK", "SBP"		"ABK", "SBP"	"SDC", "BM"	"SDC", "BM"	
	Mode	Online	Online	Online		Online	Online	Online	Online
THU	Subject	Database Management Systems	Microprocessors & Microcontrollers	Object Oriented Programming Using JAVA		Digital Logic Design (Gate)	Database Management Systems Laboratory	Database Management Systems	Remedial/Bridge Class for Academically Poor Students
	Faculty	"VP", "SDM"	"DC"	"MB"		"NB", "SLC"	"VP", "SDM"	"VP", "SDM"	
	Mode	Online	Online	Online		Online	Online	Online	Online
FRI	Subject	Design & Analysis of Algorithms	Economics for Engineers	Database Management Systems		Theory of Computations (Gate)	Design & Analysis of Algorithms Laboratory	Design & Analysis of Algorithms Laboratory	Remedial/Bridge Class for Academically Poor Students
	Faculty	"SKM"	"KLD"	"VP", "SDM"		"DC"	"SKM", "ABK"	"SKM", "ABK"	
	Mode	Online	Online	Online		Online	Online	Online	Online

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
CST 4th Year Time Table

		1st (9:20-10:20)	2nd (10:20-11:20)	3rd (11:20-12:20)	BR EA K	4th (13:00-14:00)	5th (14:00-15:00)	6th (15:00-16:00)	16:00 - 17.30
MON	Subject	Pre-Placement Training							Remedial/Bridge Class for Academically Poor Students
	Faculty	"TM"							
	Mode	Online							Online
TUE	Subject	Software Engineering / Computer Network / Interview & GD Skill Development (Pre-Placement Training Class)	Data Structure & Algorithm (Pre- Placement Training Class)	C Programming (Pre-Placement Training Class)		Artificial Intelligence	Internet Technology	Cryptography & Network Security	Remedial/Bridge Class for Academically Poor Students
	Faculty	"SKG"	"BM", "SKM"	"SND", "ANG"		"AT"	"SND"	"SR"	
	Mode	Online	Online	Online		Online	Online	Online	Online
WED	Subject	Java Programming (Pre-Placement Training Class)	DBMS (Pre-Placement Training Class)	Python Programming (Pre-Placement Training Class)		Image Processing	Mobile Computing	Cryptography & Network Security	Remedial/Bridge Class for Academically Poor Students
	Faculty	"SDM", "MB"	"VP"	"AT", "SDC"		"ANG"	"RPB"	"SR"	
	Mode	Online	Online	Online		Online	Online	Online	Online
THU	Subject	Python Programming (Pre-Placement Training Class)	Data Structure & Algorithm (Pre-Placement Training Class)	C Programming (Pre-Placement Training Class)		Compiler Design (Gate)	Computer Network (Gate)	Operating System(Gate)	Remedial/Bridge Class for Academically Poor Students
	Faculty	"AT", "SDC"	"BM", "SKM"	"SND", "ANG"		"SDC"	"SND"	"MB", "BM"	
	Mode	Online	Online	Online		Online	Online	Online	Online
FRI	Subject	DBMS (Pre-Placement Training Class)	Java Programming (Pre-Placement Training Class)	Data Science & Data Analytics (Pre-Placement Training Class)		Image Processing	Compiler Design	Artificial Intelligence	Remedial/Bridge Class for Academically Poor Students
	Faculty	"VP"	"SDM", "MB"	"MB"		"ANG"	"SDC"	"AT"	
	Mode	Online	Online	Online		Online	Online	Online	Online

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
CSBS 2nd Year Time Table

		1st (9:20-10:20)	2nd (10:20-11:20)	3rd (11:20-12:20)	BREA K	4th (13:00-14:00)	5th (14:00-15:00)	6th (15:00-16:00)	7th (16:00-17:00)
MON	Subject	Data Structure & Algorithms	Discrete Mathematics	Digital System Design		Data Structure & Algorithms Laboratory	Data Structure & Algorithms Laboratory	Computer Organization & Architecture	Remedial/Bridge Class for Academically Poor Students
	Faculty	"BM"	"SKM"	"SKG", "NB", "SLC"		"BM", "ABK", "SBP"	"BM", "ABK", "SBP"	"VP"	
	Mode	Online	Online	Online		Online	Online	Online	Online
TUE	Subject	Computer Organization & Architecture Laboratory	Computer Organization & Architecture Laboratory	Humanities – I (Constitution of India, Essence of India and Knowledge Trading)		Artificial Intelligence & Machine Learning Fundamentals	Digital System Design Laboratory	Digital System Design Laboratory	Remedial/Bridge Class for Academically Poor Students
	Faculty	"NB", "SLC", "SBP"	"NB", "SLC", "SBP"	"DDS"		"SND", "MB", "SDC"	"SKG", "NB", "SLC"	"SKG", "NB", "SLC"	
	Mode	Online	Online	Online		Online	Online	Online	Online
WED	Subject	Data Structure & Algorithms	Artificial Intelligence & Machine Learning Fundamentals	Artificial Intelligence & Machine Learning Fundamentals		Mathematics & Statistics - III	SDP - III	SDP - III	Remedial/Bridge Class for Academically Poor Students
	Faculty	"BM"	"AT", "SDC"	"SND", "MB"		"DS"	"JJH"	"JJH"	
	Mode	Online	Online	Online		Online	Online	Online	Online
THU	Subject	Data Structure & Algorithms	Mathematics & Statistics - III	Digital System Design		Discrete Mathematics	Computer Organization & Architecture	ESP - III	Remedial/Bridge Class for Academically Poor Students
	Faculty	"BM"	"DS"	"SKG", "NB", "SLC"		"SKM"	"DC"	"ARC"	
	Mode	Online	Online	Online		Online	Online	Online	Online
FRI	Subject	Digital System Design	Discrete Mathematics	Mathematics & Statistics - III		Computer Organization & Architecture	Humanities – I (Constitution of India, Essence of India and Knowledge Trading)	ESP - III	Remedial/Bridge Class for Academically Poor Students
	Faculty	"SKG", "NB", "SLC"	"SKM"	"DS"		"VP"	"DDS"	"SBG"	
	Mode	Online	Online	Online		Online	Online	Online	Online

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
CSE(AI and ML) 2nd Year Time Table

		1st (9:20-10:20)	2nd (10:20-11:20)	3rd (11:20-12:20)	BREA K	4th (13:00-14:00)	5th (14:00-15:00)	6th (15:00-16:00)	7th (16:00-17:00)
MON	Subject	Data Structure & Algorithms	Discrete Mathematics	Digital System Design		Data Structure & Algorithms Laboratory	Data Structure & Algorithms Laboratory	Computer Organization & Architecture	Remedial/Bridge Class for Academically Poor Students
	Faculty	"BM"	"SKM"	"SKG", "NB", "SLC"		"BM", "ABK", "SBP"	"BM", "ABK", "SBP"	"VP"	
	Mode	Online	Online	Online		Online	Online	Online	Online
TUE	Subject	Computer Organization & Architecture Laboratory	Computer Organization & Architecture Laboratory	Humanities – I (Constitution of India, Essence of India and Knowledge Trading)		Artificial Intelligence & Machine Learning Fundamentals	Digital System Design Laboratory	Digital System Design Laboratory	Remedial/Bridge Class for Academically Poor Students
	Faculty	"NB", "SLC", "SBP"	"NB", "SLC", "SBP"	"DDS"		"SND", "MB", "SDC"	"SKG", "NB", "SLC"	"SKG", "NB", "SLC"	
	Mode	Online	Online	Online		Online	Online	Online	Online
WED	Subject	Data Structure & Algorithms	Artificial Intelligence & Machine Learning Fundamentals	Artificial Intelligence & Machine Learning Fundamentals		Mathematics & Statistics - III	SDP - III	SDP - III	Remedial/Bridge Class for Academically Poor Students
	Faculty	"BM"	"AT", "SDC"	"SND", "MB"		"DS"	"JJH"	"JJH"	
	Mode	Online	Online	Online		Online	Online	Online	Online
THU	Subject	Data Structure & Algorithms	Mathematics & Statistics - III	Digital System Design		Discrete Mathematics	Computer Organization & Architecture	ESP - III	Remedial/Bridge Class for Academically Poor Students
	Faculty	"BM"	"DS"	"SKG", "NB", "SLC"		"SKM"	"DC"	"ARC"	
	Mode	Online	Online	Online		Online	Online	Online	Online
FRI	Subject	Digital System Design	Discrete Mathematics	Mathematics & Statistics - III		Computer Organization & Architecture	Humanities – I (Constitution of India, Essence of India and Knowledge Trading)	ESP - III	Remedial/Bridge Class for Academically Poor Students
	Faculty	"SKG", "NB", "SLC"	"SKM"	"DS"		"VP"	"DDS"	"SBG"	
	Mode	Online	Online	Online		Online	Online	Online	Online

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
CSE (IoT, BC and CYS) 2nd Year Time Table

		1st (9:20-10:20)	2nd (10:20-11:20)	3rd (11:20-12:20)	BREA K	4th (13:00-14:00)	5th (14:00-15:00)	6th (15:00-16:00)	7th (16:00-17:00)
MON	Subject	Data Structure & Algorithms	Discrete Mathematics	Digital System Design		Data Structure & Algorithms Laboratory	Data Structure & Algorithms Laboratory	Computer Organization & Architecture	Remedial/Bridge Class for Academically Poor Students
	Faculty	"BM"	"SKM"	"SKG", "NB", "SLC"		"BM", "ABK", "SBP"	"BM", "ABK", "SBP"	"VP"	
	Mode	Online	Online	Online		Online	Online	Online	Online
TUE	Subject	Computer Organization & Architecture Laboratory	Computer Organization & Architecture Laboratory	Humanities – I (Constitution of India, Essence of India and Knowledge Trading)		Artificial Intelligence & Machine Learning Fundamentals	Digital System Design Laboratory	Digital System Design Laboratory	Remedial/Bridge Class for Academically Poor Students
	Faculty	"NB", "SLC", "SBP"	"NB", "SLC", "SBP"	"DDS"		"SND", "MB", "SDC"	"SKG", "NB", "SLC"	"SKG", "NB", "SLC"	
	Mode	Online	Online	Online		Online	Online	Online	Online
WED	Subject	Data Structure & Algorithms	Artificial Intelligence & Machine Learning Fundamentals	Artificial Intelligence & Machine Learning Fundamentals		Mathematics & Statistics - III	SDP - III	SDP - III	Remedial/Bridge Class for Academically Poor Students
	Faculty	"BM"	"AT", "SDC"	"SND", "MB"		"DS"	"JJH"	"JJH"	
	Mode	Online	Online	Online		Online	Online	Online	Online
THU	Subject	Data Structure & Algorithms	Mathematics & Statistics - III	Digital System Design		Discrete Mathematics	Computer Organization & Architecture	ESP - III	Remedial/Bridge Class for Academically Poor Students
	Faculty	"BM"	"DS"	"SKG", "NB", "SLC"		"SKM"	"DC"	"ARC"	
	Mode	Online	Online	Online		Online	Online	Online	Online
FRI	Subject	Digital System Design	Discrete Mathematics	Mathematics & Statistics - III		Computer Organization & Architecture	Humanities – I (Constitution of India, Essence of India and Knowledge Trading)	ESP - III	Remedial/Bridge Class for Academically Poor Students
	Faculty	"SKG", "NB", "SLC"	"SKM"	"DS"		"VP"	"DDS"	"SBG"	
	Mode	Online	Online	Online		Online	Online	Online	Online

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
TIME TABLE OF 2ND YEAR

Assembly (9:00-9:20)	1st (9:30-10:20)	2nd (10:30-11:20)	3rd (11:30-12:20)	BREAK (12:20-13:00)	4th (13:10-14:00)	5th (14:10-15:00)	6th (15:10-16:00)	7th (16:10-17:00)	8th (17:10-18:00)
Monday	ESP III	ESP III	Constitution of India		Constitution of India	Mathematics III	Mathematics III	Pre-Placement Training	Remedial/Bridge Class for Academically poor students
	"DDS"	"ARC"	"A Basu"		"A Basu"	"ASM"	"ASM"	"TM"	
Tuesday	Signals & Systems	Signals & Systems	Digital System Design		Data Structures & Algorithms	Network Theory	Network Theory	Mini Project I	Remedial/Bridge Class for Academically poor students
	"SCH"	"SCH"	"PMU"		"MNC"	"KD"	"KD"	All Faculty	
Wednesday	SDP III	SDP III	Electronic Devices		Digital System Design	Signals & Systems Lab	Signals & Systems Lab	Mini Project I	Remedial/Bridge Class for Academically poor students
	"ARS"	"ARS"	"KR"/"APD"		"PMU"	"SCH"	"SCH"	All Faculty	
Thursday	Digital System Design	Data Structures & Algorithms	Data Structures & Algorithms		Mathematics III	Electronic Devices Lab	Electronic Devices Lab	Mini Project I	Remedial/Bridge Class for Academically poor students
	"PMU"	"MNC"	"MNC"		"ASM"	"KR"/"APD"	"KR"/"APD"	All Faculty	
Friday	Electronic Devices	Electronic Devices	Signals & Systems		Network Theory	Digital System Design Lab	Digital System Design Lab	Mini Project I	Remedial/Bridge Class for Academically poor students
	"KR"/"APD"	"KR"/"APD"	"SCH"		"KD"	"PMU"	"PMU"	All Faculty	

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
TIME TABLE 3RD YEAR

Assembly (9:00-9:20)	1st (9:30-10:20)	2nd (10:30-11:20)	3rd (11:30-12:20)	BREAK (12:20-13:00)	4th (13:10-14:00)	5th (14:10-15:00)	6th (15:10-16:00)	7th (16:10-17:00)	8th (17:10-18:00)
Monday	Computer Architecture	Computer Architecture	Database Management Systems		Database Management Systems	ESP V	ESP V	Mini Project III	Remedial/Bridge Class for Academically poor students
	"PDS"	"PDS"	"DG"		"DG"	"PMU"/"RSG"	"PMU"/"RSG"	All Faculty	
Tuesday	Information Theory & Coding	Information Theory & Coding	Economics for Engineers		Economics for Engineers	Digital Signal Processing	Digital Signal Processing	Mini Project III	Remedial/Bridge Class for Academically poor students
	"PDS"	"PDS"	"LLM"		"STD"	"RSG"	"RSG"	All Faculty	
Wednesday	Electromagnetic Waves	Electromagnetic Waves	Digital Signal Processing		Digital Signal Processing	SDP V	SDP V	Pre-Placement Training	Remedial/Bridge Class for Academically poor students
	"SB"/"AYC"	"SB"/"AYC"	"RSG"		"RSG"	"RVR"	"RVR"	"TM"	
Thursday	Computer Architecture	Electromagnetic Waves	Electromagnetic Waves		Digital Signal Processing Lab	Digital Signal Processing Lab	Digital Signal Processing Lab	Mini Project III	Remedial/Bridge Class for Academically poor students
	"PDS"	"SB"/"AYC"	"SB"/"AYC"		"RSG"	"RSG"	"RSG"	All Faculty	
Friday	Information Theory & Coding	Information Theory & Coding	Database Management Systems		Electromagnetic Waves Lab	Electromagnetic Waves Lab	Electromagnetic Waves Lab	Mini Project III	Remedial/Bridge Class for Academically poor students
	"PDS"	"PDS"	"DG"		"RSG", "AYC"	"RSG", "AYC"	"RSG", "AYC"	All Faculty	
Saturday								Pre-Placement Training	Pre-Placement Training
								"TM"	"TM"

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
TIME TABLE OF ODD SEMESTER 2021 AS ON 12TH JULY 2021
4TH YEAR

Assembly (9:00-9:20)	1st (9:30-10:20)	2nd (10:30-11:20)	3rd (11:30-12:20)	BREAK (12:20-13:00)	4th (13:10-14:00)	5th (14:10-15:00)	6th (15:10-16:00)	7th (16:10-17:00)	8th (17:10-18:00)
Monday	ESP VII	ESP VII	Internet of Things		Internet of Things	Organizational Behaviour	Organizational Behaviour	Project	Remedial/Bridge Class for Academically poor students
	"MNC"/"APD"	"MNC"/"APD"	"RH"		"RH"	"PBJ"	"PBJ"	All Faculty	
Tuesday	Computer Networks	Computer Networks	Embedded Systems		Embedded Systems	SDP VII	SDP VII	Project	Remedial/Bridge Class for Academically poor students
	"KD"	"KD"	"SGH"/"APD"		"SGH"/"APD"	"RVR"	"RVR"	All Faculty	
Wednesday	Computer Architecture	Computer Architecture	Satellite Communications		Satellite Communications	Internet of Things	Internet of Things	Project	Remedial/Bridge Class for Academically poor students
	"PDS"	"PDS"	"AYC"		"AYC"	"RH"	"RH"	All Faculty	
Thursday	Embedded Systems	Embedded Systems	Computer Architecture		Computer Networks Lab	Computer Networks Lab	Computer Networks Lab	Project	Remedial/Bridge Class for Academically poor students
	"SGH"/"APD"	"SGH"/"APD"	"PDS"		"KD"	"KD"	"KD"	All Faculty	
Friday	Satellite Communications	Satellite Communications	Computer Networks		Embedded Systems Lab	Embedded Systems Lab	Embedded Systems Lab	Project	Remedial/Bridge Class for Academically poor students
	"AYC"	"AYC"	"KD"		"SGH"/"APD"	"SGH"/"APD"	"SGH"/"APD"	All Faculty	

BT-4th Year

	1 st (9:30 – 10:20)	2 nd (10:30 – 11:20)	3 rd (11:30 – 12:20)		4 th (1:10 – 2:00)	5 th (2:10 – 3:00)	6 th (3:10 – 4:00)	7 th (4:10 – 5:30)
Monday	ESP VII	ESP VII	Downstream processing DL	B	Elective SMU/BCH	Food Biotechnology SP	Project work	Remedial/Bridge Class for Academically poor students
Tuesday	Food Biotechnology PT	Animal Cell Culture & Animal Biotechnology BCH	Downstream processing MN	R	Animal Cell Culture & Animal Biotechnology PT	SDP VII SVM	SDP VII SVM	Remedial/Bridge Class for Academically poor students
Wednesday	Project work	Project work	Project work	E	Project work	Project work	Project work	Remedial/Bridge Class for Academically poor students
Thursday	Project work	Project work	Elective SMU/BCH	A	Project work	Food Biotechnology Lab PT, BCH	Food Biotechnology Lab PT, BCH	Remedial/Bridge Class for Academically poor students
Friday	Downstream Technology Lab MN, DL	Downstream Technology Lab MN, DL	Project work	K	Project work	Project work	Project work	Remedial/Bridge Class for Academically poor students

BT-3rd Year

	1 st (9.30 – 10.20)	2 nd (10.30 – 11.20)	3 rd (11.30 – 12.20)		4 th (1.10 – 2.00)	5 th (2.10 – 3.00)	6 th (3.10 – 4.00)	7 th (4:10 – 5:30)
Monday	Cytogenetics SMU	Bio-pharmaceuticals Lab SP, BCH	Bio-pharmaceuticals Lab SP, BCH	B	Bioinformatics DL	ESP V	ESPV	Remedial/Bridge Class for Academically poor students
Tuesday	Analytical techniques MN	Database Management System	Database Management System	R	Bioinformatics MN	Analytical techniques DL	Tutorial	Remedial/Bridge Class for Academically poor students
Wednesday	Genetics Lab SMU, PT	Genetics Lab SMU, PT	Bio-pharmaceuticals SP	E	Tutorial	SDP V RVR	SDP V RVR	Remedial/Bridge Class for Academically poor students
Thursday	Analytical techniques MN	Bio-pharmaceuticals SP	Cytogenetics PT	A	Bioinformatics MN	Bio-pharmaceuticals BCH	Tutorial	Remedial/Bridge Class for Academically poor students
Friday	Database Management System Lab	Database Management System Lab	Bioinformatics DL	K	Bioinformatics Lab MN, DL	Bioinformatics Lab MN, DL	Tutorial	Remedial/Bridge Class for Academically poor students

BT-2nd Year

	1 st (9.30 – 10.20)	2 nd (10.30 – 11.20)	3 rd (11.30 – 12.20)		4 th (1.10 – 2.00)	5 th (2.10 – 3.00)	6 th (3.10 – 4.00)	7 th (4:10 – 5:30)
Monday	Microbiology SP	Microbiology DL	ESP III DDS	B	ESP III DDS	Biochemistry SMU	Tutorial	Remedial/Bridge Class for Academically poor students
Tuesday	Biochemistry SP	Biophysics MN	Genetics PT	R	Plant Biology SP	Plant Biology Lab SP, PT	Plant Biology Lab SP, PT	Remedial/Bridge Class for Academically poor students
Wednesday	Cell and Molecular Biology Lab SMU, PT	Cell and Molecular Biology Lab SMU, PT	SDP III ARS	E	SDP III ARS	Microbiology Lab MN, DL	Microbiology Lab MN, DL	Remedial/Bridge Class for Academically poor students
Thursday	Microbiology SP	Plant Biology PT	Biophysics MN	A	Genetics SMU	Biochemistry Lab SMU, SP	Biochemistry Lab SMU, SP	Remedial/Bridge Class for Academically poor students
Friday	Cell and Molecular Biology SMU	Effective Technical Communication	Effective Technical Communication	K	Cell and Molecular Biology PT	Genetics Lab SMU, PT	Genetics Lab SMU, PT	Remedial/Bridge Class for Academically poor students

UNIVERSITY OF ENGINEERING & MANAGEMENT								
CLASS ROUTINE - CIVIL ENGINEERING								
4th Year-7th SEMESTER								
Period	1	2	3		4	5	6	7
Time	1st (9:30-10:20)	2nd (10:30-11:20)	3rd (11:30-12:20)	BREAK (12:20-13:10)	4th (13:10-14:00)	5th (14:10-15:00)	6th (15:10-16:00)	7th (16:00-17:30)
MONDAY	ESP-VII	ESP-VII	Advanced Structural Analysis		ICT-II LAB	ICT-II LAB	Irrigation Engg	Remedial/Bridge Class for Academically poor students
	SA, SNY	SA, SNY	SA		VISITING LECTURER	VISITING LECTURER	SNY	
	Online	Online	Online		Online	Online	Online	
TUESDAY	Environmental Engg	Civil Engineering Practice Sessional	ICT-II		Advanced Highway	SDP-VII	SDP-VII	Remedial/Bridge Class for Academically poor students
	PDM	SH, SA, SNY	VISITING LECTURER		PDM	SVM	SVM	
	Online	Online	Online		Online	Online	Online	
WEDNESDAY	Advanced Highway	ICT-II	Hydrology & WRE		Environmental Engg	Advanced Structural Analysis	Advanced Structural Analysis	Remedial/Bridge Class for Academically poor students
	SNY	VISITING LECTURER	SNY		SNY	SA	SA	
	Online	Online	Online		Online	Online	Online	
THURSDAY	Hydrology & WRE	ICT-II	Principles of Construction Management		Advanced Highway	Irrigation Engg	Hydrology & WRE	Remedial/Bridge Class for Academically poor students
	PDM	VISITING LECTURER	SH, DA		PDM	SA	PDM	
	Online	Online	Online		Online	Online	Online	
FRIDAY	Hydrology & WRE	Environmental Engg	Irrigation Engg		Environmental Engg LAB	Site Visit	Site Visit	Remedial/Bridge Class for Academically poor students
	SNY	SNY	SA		SNY, DA			
	Online	Online	Online		Online	Onsite	Onsite	

University of Engineering & Management,Kolkata Department of Electrical Engineering EE 2nd year Routine _ Odd Semester, 2021									
DAY		1st Period (9:30-10:20)	2nd Period (10:30-11:20)	3rd Period (11:30-12:20)	LUNCH BREAK (12:30-13:10)	4th Period (13:10-14:00)	5th Period (14:10-15:00)	6th Period (15:10-16:00)	7th Period (16:00-18:00)
MON	Subject	Electrical Circuit Analysis	Electrical Circuit Analysis	ESP - III		ESP - III	Electrical Circuit Analysis Laboratory	Electrical Circuit Analysis Laboratory	Remedial/Bridge Class for Academically poor students
	Faculty	ARG(EE)/SUP	ARG(EE)/SUP	DDS		DDS	ARG(EE),NM,SBH	ARG(EE),NM,SBH	ALL FACLT
	Mode	Online	Online	Online		Online	Online	Online	Online
TUE	Subject	Analog Electronics	Analog Electronics	Electromagnetic Fields		Data Structure Lab.	Electromagnetic Fields	Electromagnetic Fields	Remedial/Bridge Class for Academically poor students
	Faculty	MNP(EE)/SUP	MNP(EE)/SUP	SG(EE)		MNC	SG(EE)	SG(EE)	ALL FACLT
	Mode	Online	Online	Online		Online	Online	Online	ONLINE
WED	Subject	Analog Electronics	Analog Electronics	SDP - III		SDP - III	Analog Electronics Laboratory	Analog Electronics Laboratory	Remedial/Bridge Class for Academically poor students
	Faculty	MNP(EE)	MNP(EE)	ARS		ARS	PG(EE),BK,SUP	PG(EE),BK,SUP	ALL FACLT
	Mode	Online	Online	Online		Online	Online	Online	ONLINE
THU	Subject	Electrical Circuit Analysis	Data Structure Theory	Data Structure Theory		Engineering Mechanics	Engineering Mechanics	Indian Constitution	Remedial/Bridge Class for Academically poor students
	Faculty	ARG(EE)	MNC	MNC		SBM	SBM	DDS	ALL FACLT
	Mode	Online	Online	Online		Online	Online	Online	ONLINE
FRI	Subject	Electromagnetic Fields	Electromagnetic Fields	Electrical Circuit Analysis		Electrical Circuit Analysis	Analog Electronics	Analog Electronics	Remedial/Bridge Class for Academically poor students
	Faculty	SG(EE)	SG(EE)	ARG(EE)		ARG(EE)	PG(EE)/SBH	PG(EE)/SBH	ALL FACLT
	Mode	Online	Online	Online		Online	Online	Online	ONLINE

University of Engineering & Management,Kolkata Department of Electrical Engineering EE 3rd year Routine _ Odd Semester, 2021									
DAY		1st Period (9:30-10:20)	2nd Period (10:30-11:20)	3rd Period (11:30-12:20)	LUNCH BREAK (12:30-13:10)	4th Period (13:10-14:00)	5th Period (14:10-15:00)	6th Period (15:10-16:00)	7th Period (16:00-18:00)
MON	Subject	Power Systems -I	Power Systems -I	Digital Signal Processing		Digital Signal Processing	Control Systems Laboratory	Control Systems Laboratory	Remedial/Bridge Class for Academically poor students
	Faculty	MNP(EE)/AG	MNP(EE)/AG	SBH		SBH	BK,AG,SBH	BK,AG,SBH	ALL FACLTy
	Mode	Online	Online	Online		Online	Online	Online	Online
TUE	Subject	Essential Studies for Professionals - V	DBMS	DBMS		Essential Studies for Professionals - V	Power Systems Laboratory - I	Power Systems Laboratory - I	Remedial/Bridge Class for Academically poor students
	Faculty	AB(EE)	DG	DG		AB(EE)/SBH	NM/SUP	NM/SUP	ALL FACLTy
	Mode	Online	Online	Online		Online	Online	Online	ONLINE
WED	Subject	Control Systems	Control Systems	Electromagnetic Waves		Electromagnetic Waves	SDP V	SDP V	Remedial/Bridge Class for Academically poor students
	Faculty	AG/SBH	AG/SBH	SG(EE)		SG(EE)/SBH	RVR	RVR	ALL FACLTy
	Mode	Online	Online	Online		Online	ONLINE	ONLINE	ONLINE
THU	Subject	Environmental Science	Control Systems	Electromagnetic Waves		Power Systems -I	DBMS Laboratory	DBMS Laboratory	Remedial/Bridge Class for Academically poor students
	Faculty	DL	AG/SBH	SG(EE)/SBH		PG(EE)/AG	DG/SUP	DG/SUP	ALL FACLTy
	Mode	Online	Online	Online		Online	Online	Online	ONLINE
FRI	Subject	Control Systems	Power Systems -I	Electrical Machines Laboratory - II		Electrical Machines Laboratory - II	Electrical Machines - II	Electrical Machines -II	Remedial/Bridge Class for Academically poor students
	Faculty	AG	MNP(EE)	MNP(EE),AB(EE),S UP		MNP(EE),AB(EE),SUP	SUP	SUP	ALL FACLTy
	Mode	Online	Online	Online		Online	Online	Online	ONLINE
SAT	Subject								Pre-Placement Training
	Faculty								TM
	Mode								Online

University of Engineering & Management, Kolkata Department of Electrical Engineering EE 4th year Routine _ Odd Semester, 2021									
DAY		1st Period (9:30-10:20)	2nd Period (10:30-11:20)	3rd Period (11:30-12:20)	LUNCH BREAK (12:30-13:10)	4th Period (13:10-14:00)	5th Period (14:10-15:00)	6th Period (15:10-16:00)	7th Period (16:00-18:00)
MON	Subject	ESP VII	ESP VII	Electrical Machine Design		Electrical Machine Design	Digital Communication	Digital Communication	Remedial/Bridge Class for Academically poor students
	Faculty	AB(EI)	AB(EI)	SUP/SBH		SUP/SBH	APD	APD	ALL FACULTY
	Mode	Online	Online	Online		Online	Online	Online	Online
TUE	Subject	HVDC Transmission Systems	HVDC Transmission Systems	Economics for Engineers		Economics for Engineers	SDP VII	SDP VII	Remedial/Bridge Class for Academically poor students
	Faculty	NKM	NKM	LMM		STD	SVM	SVM	ALL FACULTY
	Mode	Online	Online	Online		Online	ONLINE	ONLINE	ONLINE
WED	Subject	Electrical Machine Design	Electrical Machine Design	Project Stage – II		Project Stage – II	Renewable & Non-Conventional Energy Resources	Renewable & Non-Conventional Energy Resources	Remedial/Bridge Class for Academically poor students
	Faculty	SUP	SUP	SBH/AG/SUP		SBH/AG/SUP	AB(EI)	AB(EI)	ALL FACULTY
	Mode	Online	Online	Online		Online	Online	Online	ONLINE
THU	Subject	Renewable & Non-Conventional Energy Resources	Renewable & Non-Conventional Energy Resources	ESP VII		ESP VII	Electrical Design Laboratory	Electrical Design Laboratory	Remedial/Bridge Class for Academically poor students
	Faculty	NKM	NKM	AB(EI)		AB(EI)	NM	NM	ALL FACULTY
	Mode	Online	Online	Online		Online	Online	Online	ONLINE
FRI	Subject	HVDC Transmission Systems	HVDC Transmission Systems	Project Stage – II		Project Stage – II	Renewable & Non-Conventional Energy Resources	Renewable & Non-Conventional Energy Resources	Remedial/Bridge Class for Academically poor students
	Faculty	NKM	NKM	SBH/AG/SUP		SBH/AG/SUP	SG(EI)/AB	SG(EI)/AB	ALL FACULTY
	Mode	Online	Online	Online		Online	Online	Online	ONLINE

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
TIME TABLE OF ODD SEMESTER, Mechanical Engineering 2nd YEAR

Assembly (9:00-9:20)		1st (9:30-10:20)	2nd (10:30-11:20)	3rd (11:30-12:20)	BREAK (12:20-13:10)	4th (13:10-14:00)	5th (14:10-15:00)	6th (15:10-16:00)	7th (16:10-15:30)
MONDAY	Subject	Practice of Manufacturing Processes	Practice of Manufacturing Processes	ESP-III		ESP-III	Mathematics-III	Introduction to AI	Remedial/Bridge Class for Academically poor students
	Faculty	"SBM","BB"	"SBM","BB"	"DDS"		"DDS"	"AN"	"GP"	
	Room No.	Online	Online	Online		Online	Online	Online	
TUESDAY	Subject	Primary Manufacturing Processes	Biology	Introduction to AI		Data Structure & Algorithm Lab	Thermodynamics	Thermodynamics	Remedial/Bridge Class for Academically poor students
	Faculty	"KML"	"PT"	"GP"		"MNC"	"KML"	"KML"	
	Room No.	Online	Online	Online		Online	Online	Online	
WEDNESDAY	Subject	Mathematics-III	Mathematics-III	SDP-III		SDP-III	Engineering Mechanics II	Engineering Mechanics II	Remedial/Bridge Class for Academically poor students
	Faculty	"AN"	"AN"	"ARS"		"ARS"	"SMK"	"SMK"	
	Room No.	Online	Online	Online		Online	Online	Online	
THURSDAY	Subject	Biology	Data Structure & Algorithm	Data Structure & Algorithm		Thermodynamics	Engineering Mechanics II	CAD Project	Remedial/Bridge Class for Academically poor students
	Faculty	"PT"	"MNC"	"MNC"		"KML"	"SBM"		
	Room No.	Online	Online	Online		Online	Online	Online	
FRIDAY	Subject	Mathematics-III	Engineering Mechanics II	Thermodynamics		Primary Manufacturing Processes	Primary Manufacturing Processes	CAD Project	Remedial/Bridge Class for Academically poor students
	Faculty	"AN"	"SBM"	"KML"		"KML"	"KML"		
	Room No.	Online	Online	Online		Online	Online	Online	

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
TIME TABLE OF ODD SEMESTER, Mechanical Engineering 3rd YEAR

Assembly (9:00-9:20)		1st (9:30-10:20)	2nd (10:30-11:20)	3rd (11:30-12:20)	BREAK (12:20-13:10)	4th (13:10-14:00)	5th (14:10-15:00)	6th (15:10-16:00)	7th (16:10-15:30)
MONDAY	Subject	Design of Machine Elements -I	Design of Machine Elements -I	Measurement & Metrology		Kinematics & Theory of Machines	ESP-V	ESP-V	Remedial/Bridge Class for Academically poor students
	Faculty	"SMK"	"SMK"	"KML"		"SMK"	"SDB"	"KML"/"AH"	
	Room No.	Online	Online	Online		Online	Online	Online	
TUESDAY	Subject	Heat Transfer	Database Management System	Database Management System		Kinematics & Theory of Machines	Design Practice	Design Practice	Remedial/Bridge Class for Academically poor students
	Faculty	"AH"	"DG"	"DG"		"SMK"	"SDB", "SMK"	"SDB", "SMK"	
	Room No.	Online	Online	Online		Online	Online	Online	
WEDNESDAY	Subject	Kinematics & Theory of Machines	Measurement & Metrology	Measurement & Metrology		Heat Transfer	SDP-V	SDP-V	Remedial/Bridge Class for Academically poor students
	Faculty	"SDB"	"KML"	"KML"		"AH"	"RVR"	"RVR"	
	Room No.	Online	Online	Online		Online	Online	Online	
THURSDAY	Subject	Mechanical Engineering Laboratory-I (Thermal)	Mechanical Engineering Laboratory-I (Thermal)	Heat Transfer		Kinematics & Theory of Machines	DBMS Lab	DBMS Lab	Remedial/Bridge Class for Academically poor students
	Faculty	"AH", "BB"	"AH", "BB"	"AH"		"SDB"	"DG"	"DG"	
	Room No.	Online	Online	Online		Online	Online	Online	
FRIDAY	Subject	Principles of Management	Principles of Management	Design of Machine Elements -I		Design of Machine Elements -I	Project-II	Project-II	Remedial/Bridge Class for Academically poor students
	Faculty	"PKH"	"PKH"	"SDB"		"SDB"			
	Room No.	Online	Online	Online		Online			

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
TIME TABLE OF ODD SEMESTER, Mechanical Engineering 4th YEAR

Assembly (9:00-9:20)		1st (9:30-10:20)	2nd (10:30-11:20)	3rd (11:30-12:20)	BREAK (12:20-13:10)	4th (13:10-14:00)	5th (14:10-15:00)	6th (15:10-16:00)	7th (16:10-15:30)
MONDAY	Subject	ESP-VII	ESP-VII	Project-IV		Project-IV	Project-IV	Project-IV	Remedial/Bridge Class for Academically poor students
	Faculty	"GP"/"KML"	"SDB"						
	Room No.	Online	Online						
TUESDAY	Subject	Project-IV	Project-IV	Renewable EnergySystems		Non Traditional Machining	SDP-VII	SDP-III	Remedial/Bridge Class for Academically poor students
	Faculty			"SBM"		"GP"	"SVM"	"SVM"	
	Room No.			Online		Online	Online	Online	
WEDNESDAY	Subject	Power Plant Engineering	Power Plant Engineering	Automation in Manufacturing		Automation in Manufacturing	Renewable EnergySystems	Renewable Energy Systems	Remedial/Bridge Class for Academically poor students
	Faculty	"SBM/AH"	"SBM"	"GP"		"GP"	"SBM"	"SBM"	
	Room No.	Online	Online	Online		Online	Online	Online	
THURSDAY	Subject	Non Traditional Machining	Non Traditional Machining	Finite Element Analysis		Automation in Manufacturing	Refrigeration & Air Conditioning Laboratory	Refrigeration & Air Conditioning Laboratory	Remedial/Bridge Class for Academically poor students
	Faculty	"GP"	"GP"	"SMK"		"GP"	"GB"	"GB"	
	Room No.	Online	Online	Online		Online	Online	Online	
FRIDAY	Subject	Finite Element Analysis	Finite Element Analysis	Power Plant Engineering		Mechanical Engineering Laboratory III (Manufacturing)	Mechanical Engineering Laboratory III (Manufacturing)	Project-IV	Remedial/Bridge Class for Academically poor students
	Faculty	"SMK"	"SMK"	"AH"		"GP", "BB"	"GP", "BB"		
	Room No.	Online	Online	Online		Online	Online		

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
TIME TABLE OF ODD SEMESTER 2021 (MONDAY) AS ON 16TH AUGUST 2021

Assembly (9:00-9:20)		1st (9:30-10:20)	2nd (10:30-11:20)	3rd (11:30-12:20)	BREAK (12:20-13:00)	4th (13:10-14:00)	5th (14:10-15:00)	6th (15:10-16:00)	7th (16:10-17:00)
BCA 1A	Subject	Digital Electronics	Digital Electronics	Basic Mathematical Computation		Soft Skill	SDP 1	SDP 1	Remedial/Bridge Class for Academically poor students
	Faculty	"SC"	"SC"	"BCD"		"RRC"	"SVM"	"SVM"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
BCA 1B	Subject	Digital Electronics	Digital Electronics	Basic Mathematical Computation		Soft Skill	SDP 1	SDP 1	Remedial/Bridge Class for Academically poor students
	Faculty	"SC"	"SC"	"BCD"		"RRC"	"SVM"	"SVM"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
BCA 2	Subject	Mathematics for Computing	Mathematics for Computing	Computer Graphics		Data Structure with C Laboratory	Data Structure with C Laboratory	Data Structure with C Laboratory	Remedial/Bridge Class for Academically poor students
	Faculty	"SDR"	"SDR"	"RPS"		"KBH", "PGH"	"KBH", "PGH"	"KBH", "PGH"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
BCA 3A	Subject	Unix and Networking Laboratory	Unix and Networking Laboratory	Minor Project		Pre-placement Training	Unix & Shell Programming	Machine Learning using Python	Remedial/Bridge Class for Academically poor students
	Faculty	"ANC", "PVY"	"ANC", "PVY"			"PVY"	"ANC"	"APM"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
BCA 3B	Subject	Unix and Networking Laboratory	Unix and Networking Laboratory	Minor Project		Pre-placement Training	Unix & Shell Programming	Machine Learning using Python	Remedial/Bridge Class for Academically poor students
	Faculty	"ANC", "PVY"	"ANC", "PVY"			"PVY"	"ANC"	"APM"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
MCA 1A	Subject	Business English and Communication	Data Structures with C	Data Structures with C		Computer Organisation and Architecture	Computer Programming with C	Computer Programming with C	Remedial/Bridge Class for Academically poor students
	Faculty	"AD"	"KBH"	"KBH"		"PB"	"AD"	"AD"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
MCA 2	Subject	Data Science and Data Analytics Laboratory	Data Science and Data Analytics Laboratory	Operating Systems and Systems Software		Software Engineering & TQM	Unix and Shell Programming	Minor Project	Remedial/Bridge Class for Academically poor students
	Faculty	"BDB", "APM"	"BDB", "APM"	"PM"		"BDB"	"ANB"		
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
MCA 3	Subject	E-Commerce	Object Oriented Programming With Java	Internet of Things		Minor Project and Seminar	Object Oriented Programming with Java Laboratory	Object Oriented Programming with Java Laboratory	Remedial/Bridge Class for Academically poor students
	Faculty	"SBJ"	"PM"	"AD"			"PM", "RPS"	"PM", "RPS"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
TIME TABLE OF ODD SEMESTER 2021 (TUESDAY) AS ON 16TH AUGUST 2021

Assembly (9:00-9:20)		1st (9:30-10:20)	2nd (10:30-11:20)	3rd (11:30-12:20)	BREAK (12:20-13:00)	4th (13:10-14:00)	5th (14:10-15:00)	6th (15:10-16:00)	7th (16:10-17:00)
BCA 1A	Subject	Programming for Problem Solving	Programming for Problem Solving	Basic Mathematical Computation		Programming for Problem Solving Lab	Programming for Problem Solving Lab	Programming for Problem Solving Lab	Remedial/Bridge Class for Academically poor students
	Faculty	"PVY"	"PVY"	"DS"		"PGH", "PVY"	"PGH", "PVY"	"PGH", "PVY"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
BCA 1B	Subject	Programming for Problem Solving	Programming for Problem Solving	Basic Mathematical Computation		Programming for Problem Solving Lab	Programming for Problem Solving Lab	Programming for Problem Solving Lab	Remedial/Bridge Class for Academically poor students
	Faculty	"PVY"	"PVY"	MATHS		"PGH", "PVY"	"PGH", "PVY"	"PGH", "PVY"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
BCA 2	Subject	Web Design: Wireframes to Prototypes	Web Design: Wireframes to Prototypes	Web Design: Wireframes to Prototypes		Object Oriented Programming with C++	ESP III	ESP III	Remedial/Bridge Class for Academically poor students
	Faculty	"RPS", "PGH"	"RPS", "PGH"	"RPS", "PGH"		"ANB"	"ARC"	"ARC"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
BCA 3A	Subject	Numerical Methods and Algorithms	Numerical Methods and Algorithms	Unix and Shell Programming		Unix and Shell Programming	Management & Accounting	Management & Accounting	Remedial/Bridge Class for Academically poor students
	Faculty	"AN"	"AN"	"ANC"		"ANC"	"Prof. Suchandra Bose"	"Prof. Suchandra Bose"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
BCA 3B	Subject	Numerical Methods and Algorithms	Numerical Methods and Algorithms	Unix and Shell Programming		Unix and Shell Programming	Management & Accounting	Management & Accounting	Remedial/Bridge Class for Academically poor students
	Faculty	"AN"	"AN"	"ANC"		"ANC"	"Prof. Suchandra Bose"	"Prof. Suchandra Bose"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
MCA 1A	Subject	Discrete Mathematical Structure	Discrete Mathematical Structure	Computer Organisation and Architecture		Data Structures with C Laboratory	Data Structures with C Laboratory	Business English and Communication	Remedial/Bridge Class for Academically poor students
	Faculty	"AN"	"AN"	"PB"		"KBH", "RPS"	"KBH", "RPS"	"AGD"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
MCA 2	Subject	Unix and Shell Programming	Unix and Shell Programming	Operating Systems & Systems Software		Values and Ethics	Data Science & Data Analytics	Data Science & Data Analytics	Remedial/Bridge Class for Academically poor students
	Faculty	"ANB"	"ANB"	"PM"		"SBJ"	"BDB"	"BDB"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
MCA 3	Subject	Values and Ethics	Internet of Things	Internet of Things		Image Processing	Image Processing	Object Oriented Programming With Java	Remedial/Bridge Class for Academically poor students
	Faculty	"SBJ"	"AD"	"AD"		"APM"	"APM"	"PM"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA TIME TABLE OF ODD SEMESTER 2021 (WEDNESDAY) AS ON 16TH AUGUST 2021								
Assembly (9:00-9:20)	1st (9:30-10:20)	2nd (10:30-11:20)	3rd (11:30-12:20)	BREAK (12:30-13:00)	4th (13:10-14:00)	5th (14:10-15:00)	6th (15:10-16:00)	7th (16:10-17:00)
BCA 1A	Subject	Digital Electronics Lab	Digital Electronics Lab		PC Software	PC Software	Programming for Problem Solving	Remedial/Bridge Class for Academically poor students
	Faculty	"SC"	"SC"		"RPS"	"RPS"	"PVY"	
	Room No.	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
BCA 1B	Subject	Digital Electronics Lab	Digital Electronics Lab		PC Software	PC Software	Programming for Problem Solving	Remedial/Bridge Class for Academically poor students
	Faculty	"SC"	"SC"		"RPS"	"RPS"	"PVY"	
	Room No.	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
BCA 2	Subject	Object Oriented Programming with C++	Object Oriented Programming with C++		Mathematics for Computing	Mathematics for Computing	Information System and Software Engineering	Remedial/Bridge Class for Academically poor students
	Faculty	"PVY"	"PVY"		"ASM"	"ASM"	"SBI"	
	Room No.	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
BCA 3A	Subject	ESP V	ESP V		Data Communication & Computer Networks	Data Communication & Computer Networks	Pre-Placement Training	Remedial/Bridge Class for Academically poor students
	Faculty	"DDS"	"DDS"		"ANC"	"ANC"	"PGH"	
	Room No.	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
BCA 3B	Subject	ESP V	ESP V		Data Communication & Computer Networks	Data Communication & Computer Networks	Pre-Placement Training	Remedial/Bridge Class for Academically poor students
	Faculty	"DDS"	"DDS"		"ANC"	"ANC"	"PGH"	
	Room No.	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
MCA 1A	Subject	Discrete Mathematical Structure	Micro Programming and Architecture Laboratory		C Programming Laboratory	C Programming Laboratory	Business English and Communication	Remedial/Bridge Class for Academically poor students
	Faculty	"ASM"	"PB"		"AD"/"PGH"	"AD"/"PGH"	"AGD"	
	Room No.	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
MCA 2	Subject	Software Engineering & TQM	Operating Systems & System Software		Data Science and Data Analytics	ESP III	ESP III	Remedial/Bridge Class for Academically poor students
	Faculty	"BDB"	"PM"		"BDB"	"ARC"	"ARC"	
	Room No.	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
MCA 3	Subject	IoT Laboratory	IoT Laboratory		ESP V	E-Commerce	Minor Project and Seminar	Remedial/Bridge Class for Academically poor students
	Faculty	"PGH", "RPS"	"PGH", "RPS"		"DDS"	"SBI"		
	Room No.	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
TIME TABLE OF ODD SEMESTER 2021 (THURSDAY) AS ON 16TH AUGUST 2021

Assembly (9:00-9:20)		1st (9:30-10:20)	2nd (10:30-11:20)	3rd (11:30-12:20)	BREAK (12:20-13:00)	4th (13:10-14:00)	5th (14:10-15:00)	6th (15:10-16:00)	7th (16:10-17:00)
BCA 1A	Subject	ESP I	ESP I	Programming for Problem Solving		Basic Mathematical Computation	Basic Mathematical Computation	Digital Electronics	Remedial/Bridge Class for Academically poor students
	Faculty	"DDS"	"DDS"	"PGH"		"BCD"	"BCD"	"SC"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
BCA 1B	Subject	ESP I	ESP I	Programming for Problem Solving		Basic Mathematical Computation	Basic Mathematical Computation	Digital Electronics	Remedial/Bridge Class for Academically poor students
	Faculty	"DDS"	"DDS"	"PGH"		"BCD"	"BCD"	"SC"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
BCA 2	Subject	Data Structure with C	Data Structure with C	SDP III		SDP III	Computer Graphics	Object Oriented Programming with C++	Remedial/Bridge Class for Academically poor students
	Faculty	"KBH"	"KBH"	"SVM"		"SVM"	"RPS"	"ANB"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
BCA 3A	Subject	Unix and Shell Programming	Pre-placement Training	Pre-placement Training		Data Communication & Computer Networks	SDP V	SDP V	Remedial/Bridge Class for Academically poor students
	Faculty	"ANC"	"Soumik Sir"	"Soumik Sir"		"ANC"	"RVR"	"RVR"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
BCA 3B	Subject	Unix and Shell Programming	Pre-placement Training	Pre-placement Training		Data Communication & Computer Networks	SDP V	SDP V	Remedial/Bridge Class for Academically poor students
	Faculty	"ANC"	"Soumik Sir"	"Soumik Sir"		"ANC"	"RVR"	"RVR"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
MCA 1A	Subject	Computer Programming with C	Computer Programming with C	Business English and Communication		Discrete Mathematical Structure	Data Structures with C	Data Structures with C	Remedial/Bridge Class for Academically poor students
	Faculty	"PGH"	"PGH"	"AGD"		"ASM"	"KBH"	"KBH"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
MCA 2	Subject	Software Engineering and TQM	Unix Laboratory	Unix Laboratory		Data Science and Data Analytics	Values and Ethics	Minor Project	Remedial/Bridge Class for Academically poor students
	Faculty	"BDB"	"ANB", "PVV"	"ANB", "PVV"		"BDB"	"SBJ"		
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
MCA 3	Subject	Internet of Things	Values and Ethics	Image Processing		Minor Project and Seminar	SDP V	SDP V	Remedial/Bridge Class for Academically poor students
	Faculty	"AD"	"SBJ"	"APM"			"RVR"	"RVR"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
TIME TABLE OF ODD SEMESTER 2021 (FRIDAY) AS ON 16TH AUGUST 2021

Assembly (9:00-9:20)		1st (9:30-10:20)	2nd (10:30-11:20)	3rd (11:30-12:20)	BREAK (12:20-13:00)	4th (13:10-14:00)	5th (14:10-15:00)	6th (15:10-16:00)	7th (16:10-17:00)
BCA 1A	Subject	Digital Electronics	Programming for Problem Solving	PC Software		Soft Skill	Environment Studies	Environment Studies	Remedial/Bridge Class for Academically poor students
	Faculty	"SC"	"PGH"	"RPS"		"RRC"	"BCH"	"BCH"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
BCA 1B	Subject	Digital Electronics	Programming for Problem Solving	PC Software		Soft Skill	Environment Studies	Environment Studies	Remedial/Bridge Class for Academically poor students
	Faculty	"SC"	"PGH"	"RPS"		"RRC"	"BCH"	"BCH"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
BCA 2	Subject	Object Oriented Programming with C++ Laboratory	Object Oriented Programming with C++ Laboratory	Object Oriented Programming with C++ Laboratory		Data Structure with C	Computer Graphics	Computer Graphics	Remedial/Bridge Class for Academically poor students
	Faculty	"ANB", "PVY"	"ANB", "PVY"	"ANB", "PVY"		"KBH"	"RPS"	"RPS"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
BCA 3A	Subject	Pre-placement Training	Data Communication & Computer Networks	Numerical Methods & Algorithms		Numerical Methods & Algorithms	Automata & NLP	Automata & NLP	Remedial/Bridge Class for Academically poor students
	Faculty	"RPS"	"ANC"	"ASM"		"ASM"	"APM"	"APM"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
BCA 3B	Subject	Pre-placement Training	Data Communication & Computer Networks	Numerical Methods & Algorithms		Numerical Methods & Algorithms	Automata & NLP	Automata & NLP	Remedial/Bridge Class for Academically poor students
	Faculty	"RPS"	"ANC"	"ASM"		"ASM"	"APM"	"APM"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
MCA 1A	Subject	ESP I	ESP I	SDP I		SDP I	Computer Organisation and Architecture	Computer Organisation and Architecture	Remedial/Bridge Class for Academically poor students
	Faculty	"DKD"	"DKD"	"RVR"		"RVR"	"PB"	"PB"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
MCA 2	Subject	Software Engineering & TQM	SDP - III	SDP - III		Software Project Management Laboratory	Software Project Management Laboratory	Unix and Shell Programming	Remedial/Bridge Class for Academically poor students
	Faculty	"BDB"				"BDB", "PGH"	"BDB", "PGH"	"ANB"	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
MCA 3	Subject	E-Commerce	E-Commerce	Image Processing		Minor Project & Seminar	Object Oriented Programming With Java	Object Oriented Programming With Java	Remedial/Bridge Class for Academically poor students
	Faculty	"SBJ"	"SBJ"	"APM"			PM	PM	
	Room No.	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA BBA 1st Year									
		1st (9:30-10:20)	2nd (10:30-11:20)	3rd (11:30 - 12:20)	BREAK (12:20 - 13:00)	4th (13:10 - 14:00)	5th (14:10 - 15:00)	6th (15:10 -16:00)	7th (4:10 – 5:30)
MONDAY	Subject	Fundamentals of Computer	Fundamentals of Computer	Business Communication	LUNCH	Business Communication	ESP-I	ESP-I	Remedial/Bridge Class for Academically poor students
	Faculty	"PGH"	"PGH"	"SMN"		"SMN"	"DDS"	"DDS"	
	Mode	Online	Online	Online		Online	Online	Online	
TUESDAY	Subject	Basic Mathematics and Statistics	Basic Mathematics and Statistics	Business Analytics-I	LUNCH	Principles of Management	Principles of Management	Project-I	Remedial/Bridge Class for Academically poor students
	Faculty	"STM"	"STM"	"PKH"		"LMM"	"LMM"	"MTS"	
	Mode	Online	Online	Online		Online	Online	Online	
WEDNESDAY	Subject	Business Communication	Business Communication	Principles of Management	LUNCH	Business Economics	Fundamentals of Entrepreneurship	Fundamentals of Entrepreneurship	Remedial/Bridge Class for Academically poor students
	Faculty	"SMN"	"SMN"	"LMM"		"KLD"	"PKH"	"PKH"	
	Mode	Online	Online	Online		Online	Online	Online	
THURSDAY	Subject	Basic Mathematics and Statistics	Basic Mathematics and Statistics	Business Economics	LUNCH	Business Economics	Business Analytics-I	Principles of Management	Remedial/Bridge Class for Academically poor students
	Faculty	"RMC"	"RMC"	"KLD"		"KLD"	"PKH"	"LMM"	
	Mode	Online	Online	Online		Online	Online	Online	
FRIDAY	Subject	SDP I	SDP I	Business Economics	LUNCH	Business Economics	Basic Mathematics and Statistics	Basic Mathematics and Statistics	Remedial/Bridge Class for Academically poor students
	Faculty	"RVR"	"RVR"	"KLD"		"KLD"	"STM"	"STM"	
	Mode	Online	Online	Online		Online	Online	Online	

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA BBA, 2nd Year									
		1st (9:30-10:20)	2nd (10:30-11:20)	3rd (11:30 - 12:20)	BREAK (12:20 - 13:00)	4th (13:10 - 14:00)	5th (14:10 - 15:00)	6th (15:10 -16:00)	7th (4:10 – 5:30)
MONDAY	Subject	Personality Development	Business Research Methods	Business Research Methods	LUNCH	Project-III	Project-III	Marketing Management	Remedial/Bridge Class for Academically poor students
	Faculty	"PBJ"	"KLD"	"KLD"		"SUB"	"SUB"	"JRT"	
	Mode	Online	Online	Online		Online	Online	Online	
TUESDAY	Subject	Business Analytics-III	Business Analytics-III	Management Information Systems	LUNCH	Personality Development	ESP-III	ESP-III	Remedial/Bridge Class for Academically poor students
	Faculty	"KLD"	"KLD"	"SB"		"PBJ"	"DDS"	"DDS"	
	Mode	Online	Online	Online		Online	Online	Online	
WEDNESDAY	Subject	Business Research Methods	Business Research Methods	Marketing Management	LUNCH	Marketing Management	Design Thinking	Design Thinking	Remedial/Bridge Class for Academically poor students
	Faculty	"KLD"	"KLD"	"JRT"		"JRT"	"SBC"	"SBC"	
	Mode	Online	Online	Online		Online	Online	Online	
THURSDAY	Subject	Financial Accounting &Tally	Financial Accounting &Tally	SDP III	LUNCH	SDP III	Personality Development	Management Information Systems	Remedial/Bridge Class for Academically poor students
	Faculty	"DBS"	"DBS"	"DKD"		"DKD"	"MMC"	"SB"	
	Mode	Online	Online	Online		Online	Online	Online	
FRIDAY	Subject	Digital Marketing	Digital Marketing	Financial Accounting &Tally	LUNCH	Financial Accounting &Tally	Management Information Systems	Management Information Systems	Remedial/Bridge Class for Academically poor students
	Faculty	"JRT"	"JRT"	"DBS"		"DBS"	"SB"	"SB"	
	Mode	Online	Online	Online		Online	Online	Online	

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
BBA, 3rd Year

		1st (9:30-10:20)	2nd (10:30-11:20)	3rd (11:30 - 12:20)	BREAK (12:20 - 13:00)	4th (13:10 - 14:00)	5th (14:10 - 15:00)	6th (15:10 -16:00)	7th (4:10 – 5:30)
MONDAY	Subject	Consumer Behaviour/ Human Resource Development/Financial Institution and Market	Consumer Behaviour/ Human Resource Development/Financial Institution and Market	Sales and Distribution Management/Human Resource Planning/Direct Taxation	LUNCH	Sales and Distribution Management/Human Resource Planning/Direct Taxation	Project V	Project V	Remedial/Bridge Class for Academically poor students
	Faculty	"AND"/"SJB"/SUB"	"AND"/"SJB"/SUB"	"JRT"/"MTS"/"ABG"		"JRT"/"MTS"/"ABG"	"STD"	"STD"	
	Mode	Online	Online	Online		Online	Online	Online	
TUESDAY	Subject	Entrepreneurship Development & Corporate Social Responsibility	Entrepreneurship Development & Corporate Social Responsibility	Sales and Distribution Management/Human Resource Planning/Direct Taxation	LUNCH	Sales and Distribution Management/Human Resource Planning/Direct Taxation	Business Analytics-V	Business Analytics-V	Remedial/Bridge Class for Academically poor students
	Faculty	"SBC"	"SBC"	"JRT"/"MTS"/"ABG"		"JRT"/"MTS"/"ABG"	"KLD"	"KLD"	
	Mode	Online	Online	Online		Online	Online	Online	
WEDNESDAY	Subject	ESP V	ESP V	Brand & Retail Management/Employment Compensation & Administration/Financial Management	LUNCH	Brand & Retail Management/Employment Compensation & Administration/Financial Management	Public Systems Management	Public Systems Management	Remedial/Bridge Class for Academically poor students
	Faculty	"ARC"	"ARC"	"AND"/"PBJ"/"DBS"		"AND"/"PBJ"/"DBS"	"AND"/"MTS"	"AND"/"MTS"	
	Mode	Online	Online	Online		Online	Online	Online	
THURSDAY	Subject	Consumer Behaviour/ Human Resource Development/Financial Institution and Market	Consumer Behaviour/ Human Resource Development/Financial Institution and Market	SDP V	LUNCH	SDP V	Placement Class	Placement Class	Remedial/Bridge Class for Academically poor students
	Faculty	"AND"/"SJB"/SUB"	"AND"/"SJB"/SUB"	"RVR"		"RVR"	"SD"	"SD"	
	Mode	Online	Online	Online		Online	Online	Online	
FRIDAY	Subject	Entrepreneurship Development & Corporate Social Responsibility	Entrepreneurship Development & Corporate Social Responsibility	Pre-Placement Class	LUNCH	Artificial Intelligence-V	Brand & Retail Management/Employment Compensation & Administration/Financial Management	Brand & Retail Management/Employment Compensation & Administration/Financial Management	Remedial/Bridge Class for Academically poor students
	Faculty	"SBC"	"SBC"	"RVR"		"ANC"	"AND"/"PBJ"/"DBS"	"AND"/"PBJ"/"DBS"	
	Mode	Online	Online	Online		Online	Online	Online	

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
MBA 1st Year

		1st (9:30-10:20)	2nd (10:30-11:20)	3rd (11:30 - 12:20)	BREAK (12:20 - 13:00)	4th (13:10 - 14:00)	5th (14:10 - 15:00)	6th (15:10 -16:00)	7th (4:10 – 5:30)
MONDAY	Subject	Managerial Economics	Managerial Economics	SDP I	LUNCH	SDP I	Entrepreneurship	Business Communication	Remedial/Bridge Class for Academically poor students
	Faculty	"LMM"	"LMM"	"SVM"		"SVM"	"SBC"	"SMN"	
	Mode	Online	Online	Online		Online	Online	Online	
TUESDAY	Subject	Organizational Behaviour	MOOC "Analyzing and Visualizing Data Using MS-Excel"	Quantitative Techniques	LUNCH	Quantitative Techniques	Business Communication	Business Communication	Remedial/Bridge Class for Academically poor students
	Faculty	"SJB"	"AND"	"SDR"		"SDR"	"MMC"	"MMC"	
	Mode	Online	Online	Online		Online	Online	Online	
WEDNESDAY	Subject	Managerial Economics	Managerial Economics	Legal and Business Environment	LUNCH	Legal and Business Environment	Entrepreneurship	Quantitative Techniques	Remedial/Bridge Class for Academically poor students
	Faculty	"LMM"	"LMM"	"ABG"		"ABG"	"JRT"	"SDR"	
	Mode	Online	Online	Online		Online	Online	Online	
THURSDAY	Subject	Legal and Business Environment	Legal and Business Environment	ESP I	LUNCH	ESP I	Indian Ethos and Business Ethics	Indian Ethos and Business Ethics	Remedial/Bridge Class for Academically poor students
	Faculty	"ABG"	"ABG"	"DDS"		"DDS"	"SBC"	"SBC"	
	Mode	Online	Online	Online		Online	Online	Online	
FRIDAY	Subject	English Communication & Soft Skills	English Communication & Soft Skills	Quantitative Techniques	LUNCH	Entrepreneurship	Organizational Behaviour	Organizational Behaviour	Remedial/Bridge Class for Academically poor students
	Faculty	"SMN"	"SMN"	"SDR"		"JRT"	"SJB"	"SJB"	
	Mode	Online	Online	Online		Online	Online	Online	

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA MBA, 2nd Year									
		1st (9:30-10:20)	2nd (10:30-11:20)	3rd (11:30 - 12:20)	BREAK (12:20 - 13:00)	4th (13:10 - 14:00)	5th (14:10 - 15:00)	6th (15:10 -16:00)	7th (4:10 – 5:30)
MONDAY	Subject	Corporate Finance/Employee Relations and Labour Laws/Data Science using R	Corporate Finance/Employee Relations and Labour Laws/Data Science using R	Digital and Social Media Marketing		Digital and Social Media Marketing	English Communication	English Communication	Remedial/Bridge Class for Academically poor students
	Faculty	"STD"/"MTS"/"UDC"	"STD"/"MTS"/"UDC"	"AND"		"AND"	"ATR"	"ATR"	
	Mode	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
TUESDAY	Subject	Investment Analysis and Portfolio Management/Compensation and Benefits Management/ Data Visualization	Investment Analysis and Portfolio Management/Compensation and Benefits Management/ Data Visualization	Marketing Research		Project Management and Entrepreneurship	Organization Change & Development/Managerial Business Intelligence-I/BFSI-I/Global Supply Chain and Logistics Management	Organization Change & Development/Managerial Business Intelligence-I/BFSI-I/Global Supply Chain and Logistics Management	Remedial/Bridge Class for Academically poor students
	Faculty	"STD"/"PBJ"/"UDC"	"STD"/"PBJ"/"UDC"	"SBC"		"PKH"	"SJB"/"UDC"/"ABG"/"PKH"	"SJB"/"UDC"/"ABG"/"PKH"	
	Mode	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
WEDNESDAY	Subject	Corporate Finance/Employee Relations and Labour Laws/Data Science Using R	Corporate Finance/Employee Relations and Labour Laws/Data Science Using R	ESP III		ESP III	Taxation/ Manpower Planning Recruitment & Selection/Marketing Analytics	Taxation/ Manpower Planning Recruitment & Selection/Marketing Analytics	Remedial/Bridge Class for Academically poor students
	Faculty	"STD"/"MTS"/"UDC"	"STD"/"MTS"/"UDC"	"ARC"		"ARC"	"DBS"/"SJB"/"UDC"	"DBS"/"SJB"/"UDC"	
	Mode	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
THURSDAY	Subject	Marketing Research	Marketing Research	Sales and Distribution Management		Sales and Distribution Management	Taxation/ Manpower Planning Recruitment & Selection/Marketing Analytics	Project Management and Entrepreneurship	Remedial/Bridge Class for Academically poor students
	Faculty	"SBC"	"SBC"	"SDS"		"SDS"	"DBS"/"SJB"/"UDC"	"PKH"	
	Mode	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	
FRIDAY	Subject	Investment Analysis and Portfolio Management/Compensation and Benefits Management/ Data Visualization	MOOC "Analyzing and Visualizing Data Using MS-Excel"	Sales and Distribution Management		Sales and Distribution Management	SDP III	SDP III	Remedial/Bridge Class for Academically poor students
	Faculty	"STD"/"PBJ"/"UDC"	"UDC"	"SDS"		"SDS"	"ARS"	"ARS"	
	Mode	ONLINE	ONLINE	ONLINE		ONLINE	ONLINE	ONLINE	

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
BBA-LLB, 1st Year

		1st (9:30-10:20)	2nd (10:30-11:20)	3rd (11:30 - 12:20)	BREAK (12:20 - 13:00)	4th (13:10 - 14:00)	5th (14:10 - 15:00)	6th (15:10 -16:00)	7th (16:00 -15:30)
MONDAY	Subject		PSYCHOLOGY I		LUNCH		ESP I	ESP I	Remedial/Bridge Class for Academically poor students
	Faculty		KSR				"DDS"	"DDS"	
	Mode	Online	Online	Online		Online	Online	Online	
TUESDAY	Subject		PSYCHOLOGY I		LUNCH	ENGLISH-I	ENGLISH-I		Remedial/Bridge Class for Academically poor students
	Faculty		KSR			SMN	SMN		
	Mode	Online	Online	Online		Online	Online	Online	
WEDNESDAY	Subject			PSYCHOLOGY I	LUNCH				Remedial/Bridge Class for Academically poor students
	Faculty			KSR					
	Mode	Online	Online	Online		Online	Online	Online	
THURSDAY	Subject				LUNCH	PSYCHOLOGY I			Remedial/Bridge Class for Academically poor students
	Faculty					KSR			
	Mode	Online	Online	Online		Online	Online	Online	
FRIDAY	Subject	SDP I	SDP I		LUNCH				Remedial/Bridge Class for Academically poor students
	Faculty	RVR	RVR						
	Mode	Online	Online	Online		Online			

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA BBA-LLB, 2nd Year									
		1st (9:30-10:20)	2nd (10:30-11:20)	3rd (11:30 - 12:20)	BREAK (12:20 - 13:00)	4th (13:10 - 14:00)	5th (14:10 - 15:00)	6th (15:10 -16:00)	7th (16:00 -15:30)
MONDAY	Subject	CONSTITUTIONAL LAW-I	CONSTITUTIONAL LAW-I	LIBRARY	LUNCH	FAMILY LAW-II	FAMILY LAW-II		Remedial/Bridge Class for Academically poor students
	Faculty	MEHENDI MAZUMDAR	MEHENDI MAZUMDAR			SOUVIK ROY	SOUVIK ROY		
	Mode	Online	Online	Online		Online	Online		
TUESDAY	Subject	LAW OF CRIMES I	LAW OF CRIMES I	LAW OF CONTRACT-II	LUNCH	Essential Studies for Professionals – III	Essential Studies for Professionals – III		Remedial/Bridge Class for Academically poor students
	Faculty	VD	VD	SARBANI SARKAR		"DDS"	"DDS"		
	Mode	Online	Online	Online		Online	Online		
WEDNESDAY	Subject	CONSTITUTIONAL LAW I	LAW OF CONTRACT-II	Financial Management & ACCOUNTING	LUNCH	Financial Management & ACCOUNTING	LIBRARY		Remedial/Bridge Class for Academically poor students
	Faculty	MEHENDI MAZUMDER	SARBANI SARKAR	"AND"/"PBJ"/"DBS"		"AND"/"PBJ"/"DBS"			
	Mode	Online	Online	Online		Online	Online		
THURSDAY	Subject	LAW OF CONTRACT-II	LAW OF CONTRACT-II	SDP-III	LUNCH	SDP-III	LIBRARY	LAW OF CRIMES I	Remedial/Bridge Class for Academically poor students
	Faculty	SARBANI SARKAR	SARBANI SARKAR	"DKD"		"DKD"		VD	
	Mode	Online	Online	Online		Online	Online	Online	
FRIDAY	Subject	PRINCIPLES OF MANAGEMENT	PRINCIPLES OF MANAGEMENT	CONSTITUTIONAL LAW-I	LUNCH	LAW OF CRIMES I	Financial Management & ACCOUNTING	Financial Management & ACCOUNTING	Remedial/Bridge Class for Academically poor students
	Faculty	PKH	PKH	MEHENDI MAZUMDAR		VD	"AND"/"PBJ"/"DBS"	"AND"/"PBJ"/"DBS"	
	Mode	Online	Online	Online		Online	Online	Online	

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA BBA-LLB, 3rd year									
		1st (9:30-10:20)	2nd (10:30-11:20)	3rd (11:30 - 12:20)	BREAK (12:20 - 13:00)	4th (13:10 - 14:00)	5th (14:10 - 15:00)	6th (15:10 -16:00)	7th (16:00 -15:30)
MONDAY	Subject	COMPANY LAW I	COMPANY LAW I	Sales and Distribution Management	LUNCH	Sales and Distribution Management	LIBRARY	LIBRARY	Remedial/Bridge Class for Academically poor students
	Faculty	SARBANI SARKAR	SARBANI SARKAR	"JRT"/"MTS"/"ABG"		"JRT"/"MTS"/"ABG"			
	Mode	Online	Online	Online		Online			
TUESDAY	Subject	LAW OF EVIDENCE	LAW OF EVIDENCE	Sales and Distribution Management	LUNCH	Sales and Distribution Management	BANKING LAW	BANKING LAW	Remedial/Bridge Class for Academically poor students
	Faculty	SOUVIK ROY	SOUVIK ROY	"JRT"/"MTS"/"ABG"		"JRT"/"MTS"/"ABG"			
	Mode	Online	Online	Online		Online			
WEDNESDAY	Subject	ESP V	ESP V	JURISPRUDENCE	LUNCH	JURISPRUDENCE	BANKING LAW	BANKING LAW	Remedial/Bridge Class for Academically poor students
	Faculty	"ARC"	"ARC"	VD		VD			
	Mode	Online	Online	Online		Online			
THURSDAY	Subject	LAW OF EVIDENCE	LAW OF EVIDENCE	SDP-V	LUNCH	SDP-V	LIBRARY		Remedial/Bridge Class for Academically poor students
	Faculty	SOUVIK ROY	SOUVIK ROY	"RVR"		"RVR"			
	Mode	Online	Online	Online		Online			
FRIDAY	Subject	JURISPRUDENCE	JURISPRUDENCE	COMPANY LAW-I	LUNCH	COMPANY LAW-I	MOOT COURT	MOOT COURT	Remedial/Bridge Class for Academically poor students
	Faculty	VD	VD	SARBANI SARKAR		SARBANI SARKAR			
	Mode	Online	Online	Online		Online			

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
BBA-LLB 4th Year

		1st (9:30-10:20)	2nd (10:30-11:20)	3rd (11:30 - 12:20)	BREAK (12:20 -13:00)	4th (13:10 - 14:00)	5th (14:10 - 15:00)	6th (15:10 -16:00)	7th (16:00 -15:30)
MONDAY	Subject	PATENT LAW	PATENT LAW	INDIRECT TAX	LUNCH	INDIRECT TAX	LIBRARY	LIBRARY	Remedial/Bridge Class for Academically poor students
	Faculty	SOUVIK ROY	SOUVIK ROY	DBS		DBS			
	Mode	Online	Online	Online		Online			
TUESDAY	Subject	COMPETITION LAW	COMPETITION LAW	LABOUR & INDUSTRIAL LAW-I	LUNCH	PIL	PIL	PATENT LAW	Remedial/Bridge Class for Academically poor students
	Faculty	ABHISIKTA BASU	ABHISIKTA BASU	VD		SARBANI SARKAR	SARBANI SARKAR	SOUVIK ROY	
	Mode	Online	Online	Online		Online	Online	Online	
WEDNESDAY	Subject	MEDIA & LAW	MEDIA & LAW	ESP VII	LUNCH	ESP VII	MOOT	MOOT	Remedial/Bridge Class for Academically poor students
	Faculty	VD	VD	"APH"		"APH"			
	Mode	Online	Online	Online		Online	Online	Online	
THURSDAY	Subject	LABOUR & INDUSTRIAL LAW-I	LABOUR & INDUSTRIAL LAW-I	COMPETITION LAW	LUNCH	COMPETITION LAW	SDP VII	SDP VII	Remedial/Bridge Class for Academically poor students
	Faculty	MEHENDI MAZUMDAR	MEHENDI MAZUMDAR	ABHISIKTA BASU		ABHISIKTA BASU	"RVR"	"RVR"	
	Mode	Online	Online	Online		Online	Online	Online	
FRIDAY	Subject	HR LAW AND PRACTICE	HR LAW AND PRACTICE	PATENT LAW	LUNCH	PATENT LAW	MOOT	MOOT	Remedial/Bridge Class for Academically poor students
	Faculty	MEHENDI MAZUMDAR/ABHISIKTA BASU	MEHENDI MAZUMDAR/ABHISIKTA BASU	SOUVIK ROY		SOUVIK ROY			
	Mode	Online	Online	Online		Online			

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA

TIME TABLE OF ODD SEMESTER 2021 - 1st Year

		1st (9:30-10:20)	2nd (10:30-11:20)	3rd (11:30 - 12:20)	BREAK (12:20 -13:10)	4th (13:10 - 14:00)	5th (14:10 - 15:00)	6th (15:10 -16:00)	7th (16:10 - 17:30)
MONDAY	Subject	Food Production Operations	Food Production Operations	Accommodation Operations	LUNCH	Front Office Operations	Front Office Operations	Nutrition	Remedial/Bridge Class for Academically poor students
	Faculty	DEBARGHYA DEY	DEBARGHYA DEY	Goutam Dutta		SNB	SNB	PCH	
	Mode	Online	Online	Online		Online	Online	Online	
TUESDAY	Subject	Food & Beverage Service Operations	Food & Beverage Service Operations	English Communication	Lunch	English Communication	Front Office Lab	Front Office Lab	Remedial/Bridge Class for Academically poor students
	Faculty	KUB	KUB	SMN		SMN	SNB	SNB	
	Mode	Online	Online	LAB		LAB	LAB	LAB	
WEDNESDAY	Subject	Food Production Operations Lab	Food Production Operations Lab	Food Production Operations Lab	LUNCH / ROTA	Food & Beverage Service Lab	Food & Beverage Service Lab	Food & Beverage Service Lab	Remedial/Bridge Class for Academically poor students
	Faculty	SJS/ Chef Debargha	SJS/ Chef Debargha	SJS/ Chef Debargha		KUB	KUB	KUB	
	Mode	LAB	LAB	LAB		LAB	LAB	LAB	
THURSDAY	Subject	ESP-I	ESP-I	F & B Management	LUNCH	F & B Management	Computer Application	Computer Application	Remedial/Bridge Class for Academically poor students
	Faculty	DKD	DKD	KUB		KUB	PVY	PVY	
	Mode	Online	Online	Online		Online	Online	LAB	
FRIDAY	Subject	Accommodation Operations Lab	Accommodation Operations Lab	Food Production Operations	LUNCH	Accommodation Operations	SDP - I	Hotel French	Remedial/Bridge Class for Academically poor students
	Faculty	Goutam Dutta	Goutam Dutta	DEBARGHYA DEY		Goutam Dutta	SVM	CDA	
	Mode	LAB	LAB	Online		Online	Online	Online	

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA
TIME TABLE OF ODD SEMESTER 2021 – 2nd Year

		1st (9:30-10:20)	2nd (10:30-11:20)	3rd (11:30 - 12:20)	BREAK (12:20 -13:10)	4th (13:10 - 14:00)	5th (14:10 - 15:00)	6th (15:10 -16:00)	7th (16:10 - 17:30)
MONDAY	Subject	Front Office	Front Office	Food Production	LUNCH	Housekeeping	Housekeeping	Hotel Engineering	Remedial/Bridge Class for Academically poor students
	Faculty	SNB	SNB	SJS		Goutam Dutta	Goutam Dutta	SG	
	Mode	LAB	LAB	Online		LAB	LAB	Online	
TUESDAY	Subject	Food Production	Food Production	Food Production	Lunch	F & B Service	F & B Service	F & B Service	Remedial/Bridge Class for Academically poor students
	Faculty	SJS / DEBARGHYA DEY	SJS / DEBARGHYA DEY	SJS / DEBARGHYA DEY		KUB	KUB	KUB	
	Mode	LAB	LAB	LAB		LAB	LAB	LAB	
WEDNESDAY	Subject	Food & Beverage Service	Food & Beverage Service	Front Office	LUNCH	Business Communication	Housekeeping	Housekeeping	Remedial/Bridge Class for Academically poor students
	Faculty	KUB	KUB	SNB		KSR	Goutam Dutta	Goutam Dutta	
	Mode	Online	Online	Online		Online	Online	Online	
THURSDAY	Subject	Food Production	ESP	ESP	LUNCH	Hotel & BusinessLaw	Hotel & Business law	SDP	Remedial/Bridge Class for Academically poor students
	Faculty	SJS	ARC	ARC		Vedatrayee Dutta	Vedatrayee Dutta	SVM	
	Mode	Online	Online	Online		Online	Online	Online	
FRIDAY	Subject	Eng Communication Lab	Eng Communication	Front Office	LUNCH	SDP	Hotel Accountancy	Hotel Accountancy	Remedial/Bridge Class for Academically poor students
	Faculty	KSR	KSR	SNB		ARS	SUB	SUB	
	Mode	ONLINE	ONLINE	Online		Online	ONLINE	ONLINE	

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA

TIME TABLE OF ODD SEMESTER 2021 – 3rd Year

		1st (9:30-10:20)	2nd (10:30-11:20)	3rd (11:30 - 12:20)	BREAK (12:20 -13:10)	4th (13:10 - 14:00)	5th (14:10 - 15:00)	6th (15:10 -16:00)	7th (16:10 - 17:30)
MONDAY	Subject	Facility Planning	Facility Planning	Food & Beverage Service	LUNCH	Food & Beverage Service	Food Production	Food Production	Remedial/Bridge Class for Academically poor students
	Faculty	DA	DA	KUB		KUB	DEBARGHYA DEY	DEBARGHYA DEY	
	Mode	Online	Online	Online		Online	Online	Online	
TUESDAY	Subject	Financial Management	Financial Management	ESP	LUNCH	ESP	Front Office	Placement Interview	Remedial/Bridge Class for Academically poor students
	Faculty	SUB	SUB	DDS		DDS	SNB	PPB	
	Mode	Online	Online	Online		Online	Online	Online	
WEDNESDAY	Subject	F.O Lab	F.O Lab	F & B Management	LUNCH	English Communication	English Communication	SDP	Remedial/Bridge Class for Academically poor students
	Faculty	SNB	SNB	Goutam Dutta		Ayanita Banerjee	Ayanita Banerjee	SVM	
	Mode	Online	Online	Online		Online	Online	Online	
THURSDAY	Subject	H.K Lab	H.K Lab	HR Management	LUNCH	HR Management	H.K	H.K	Remedial/Bridge Class for Academically poor students
	Faculty	Goutam Dutta	Goutam Dutta	Piyali Banerjee		Piyali Banerjee	Goutam Dutta	Goutam Dutta	
	Mode	Online	Online	Online		Online	Online	Online	
FRIDAY	Subject	F.P Lab	F.P Lab	F.P Lab	LUNCH	F & B Lab	F & B Lab	F & B Lab	Remedial/Bridge Class for Academically poor students
	Faculty	SJS / DEBARGHYA DEY	SJS / DEBARGHYA DEY	SJS / DEBARGHYA DEY		KUB	KUB	KUB	
	Mode	Online	Online	Online		Online	Online	Online	

Appendix 5.3

**MoMs of Governing Board, Academic Council, IQAC &
Board of Studies (From 2019 to 2021)**

Minutes of the 16th (III/18-19) meeting of the Governing Board of University of Engineering & Management, Kolkata held on 18th March, 2019.

The following members were present:

1. Shri Shekhar Dutt, Former Hon'ble Governor of Chhattisgarh & ex-Defence Secretary, Govt. of India.
2. Prof. Dr. D. S. Chauhan, Vice President, AIU, New Delhi & Vice Chancellor, GLA University, Mathura
3. Shri Sujit Kr. Sarkar, IPS (Retd.), Former State Chief Information Commissioner, Ex-Director General of Police, West Bengal.
4. Shri R. Bandyopadhyay, IAS (Retd.), Former Secretary, Ministry of Corporate Affairs, Govt. of India
5. Prof. Dr. Satyajit Chakrabarti, Chancellor, UEM, Kolkata
6. Prof. Dr. Sajal Dasgupta, Vice Chancellor, UEM, Kolkata
7. Prof. Dr. Satyajit Chakrabarti, Pro-Vice Chancellor, UEM, Kolkata
8. Prof. Banani Chakrabarti, Pro Vice Chancellor - Finance, UEM, Kolkata
9. Prof. Dr. Rajiv Ganguly, Dean Science, UEM, Kolkata
10. Prof. Dr. K. P. Chatak, Dean Engineering, UEM, Kolkata
11. Prof. Sukalyan Goswami, Registrar, UEM, Kolkata

Pro Vice Chancellor of the University welcomed all the members of the Governing Board before the commencement of the meeting. A short video of 17 minutes on some glimpses of the various activities from Dec 2018 to Feb 2019 was presented. The video presentation was immensely appreciated by the Governing Board Members. The Governing Board also advised to keep provision for a student speech in the Convocation programme representing all the students who are conferred degree at the Convocation.

Thereafter, the agenda points of the 16th meeting of the Governing Board were taken up for discussion.

The Governing Board of UEM, Kolkata took the following resolutions:

Agenda Item No - 16.1

Confirmation of Minutes of 15th (II/18-19) Governing Board Meeting held on 17.12.2018.

The minutes of the 15th (II/18-19) Governing Board was circulated to all the members in advance through mail. As there was no observation received from any member, it was confirmed.

Agenda Item No – 16.2

To read the Action Taken Report of 15th (II/18-19) Governing Board Meeting held on 17.12.2018.

The agenda wise Action Taken Report of the 15th (II/18-19) meeting of Governing Board of the University was circulated to all the members in advance through mail. Matter arising out of the meeting is :

- ISRO (Hyderabad, Dehradun) may be contacted for collaboration regarding Remote sensing course. A thorough study need to be conducted to analyse if there are takers for the course and if there is placement opportunities.
- B.Des in Textile & Fashion Design is approved and may be introduced from the next academic session.

Agenda Item No – 16.3

To approve the “Revised Examination Regulations” of the University.

The draft “Revised Examination Regulations” in which all the relevant resolutions as approved by the Governing Board on the basis of recommendations of the Academic Council, in the last few meetings, have been incorporated and was placed to the Academic Council. The Council recommended the revised regulation.

The Academic Council also proposed that there can be a special supplementary examination for the students who failed in final semester and got the job offer in campus recruitment. The examination can be taken in the month of May.

The Governing Board approved the same.

Agenda Item No – 16.4

To approve installation of Air Conditioners (Chilled Water HVAC System with Water Cooled Screw Chillers) in all classrooms and labs of the University.

In the 13th (IV/17-18) BOG meeting held on 10th July 2018, the Board approved the proposal on installation of Air conditioners in all class rooms and labs of the University.

Accordingly, quotations received from 4 (Four) vendors for water chiller HVAC at University and based on comparative statement, M/s Bluestar has been identified as a most competent bidder considering its techno commercial offer.

It is therefore proposed to place order in favour of M/s Bluestar for supply, installation, testifying and commissioning of central AC system with 3x170TR nominal capacity twin circuit horizontal twin screw

type water cooled chilling units and allied equipment suitable to operate on CFC / HCFC free R-134a refrigerate gas for the University premises.

Total cost of the system is Rs. 3,49,00,000/- (Rupees Three crore forty nine lakhs only), exclusive of Tax.

The Governing Board approved the same.

Agenda Item No - 16.5

To approve the Mandatory Additional Requirement (MAR) applicable for all UG Programmes from the academic year 2019-20.

Every student may choose, as per his/her liking, co-curricular and extracurricular activities in order to achieve the mandatory points before becoming eligible for award of the Degree. These activities may be spread over the duration of study of a course for an under-graduate degree, as per schedule and programmes drawn by the University.

The below mentioned table provides a List of Activity Heads for co-curricular and extracurricular activities.

Sl. No.	Name of the Activity
1.	Tech Fest/Teachers Day/Freshers Welcome
2.	Rural Reporting
3.	Tree Plantation
4.	Participation in Relief Camps
5.	Participation in Debate/Group Discussion/ Tech quiz
6.	Publication of magazine in institutional level (magazine/article/internet)
7.	Publication in News Paper, Magazine & Blogs
8.	Research Publication
9.	Innovative Projects (other than course curriculum)
10.	Blood donation
11.	Participation in Sports/Games
12.	Cultural Programme (Dance, Drama, Elocution, Music etc.)
13.	Member of Professional Society
14.	Student Chapter activities
15.	Relevant Industry Visit & Report
16.	Photography activities in different Club
17.	Participation in Yoga Camp (Certificate to be submitted)
18.	Self-Entrepreneurship Programme
19.	Adventure Sports with Certification
20.	Training to under privileged/Physically challenged
21.	Community Service & Allied Activities

For any degree to be obtained, a student shall successfully complete 4 (four) such co-curricular activities for award of 4 (four) credit points before commencement of the last academic session. A co-curricular event /activity will carry full marks of 50 and a student shall score at least 25 marks in each event / activity to qualify.

Each event / activity will have a duration of 5 hours or multiple of it upto a maximum of 15 hours. The approval in regard to such an event shall be taken from the Vice-Chancellor on case to case basis.

The Academic Council recommended the same. The Governing Board approved the same.

Agenda Item No - 16.6

To approve incorporation of credit course "Entrepreneurship" in the engineering curriculum of the University.

The University proposes to incorporate "Entrepreneurship" as credit course in the engineering curriculum of the University. The academic council recommended to introduce B.Tech in Entrepreneurship.

The Governing Board approved the same.

Agenda Item No - 16.7

To report on the framing of 3rd and 4th semester syllabus of courses as per guidelines of AICTE.

The syllabus of 3rd & 4th semester of various courses as per AICTE guidelines is under preparation and will be placed in the next Governing Board meeting.

The Governing Board noted the same.

Agenda Item No - 16.8

To approve the budget of the University for the year 2019-20.

The budget for the year 2019-20 was placed to the Governing Board for approval. The Governing Board approved the same.

Agenda Item No - 16.9

To place the Pro Vice Chancellor's report on various achievements, events, departmental progress etc.

The Pro Vice Chancellor's report on various achievements, events, departmental progress etc was presented in the form of "ANIMAKER".

The Board also recommended to make a yearly calendar with the schedule of the round the year events.

Agenda Item No -16.10

Any other matter with the permission of the Chair.

An extensive discussion was held on GATE performance and followings resolutions were taken.

- GATE examination should be treated with extreme importance as it depicts the standard of the student of the University. To improve the performance of students in GATE exam, the students may be given B.Tech (Hons.) for securing high score in GATE exam.
- A committee has to be constituted for evaluating the GATE result and taking measures to improve the performance of the students. GATE FORUM assistance is an additional assistance.
- Teachers should be recruited with post graduate from reputed Universities and with high GATE score. Teachers should have more exposure to GATE so that they can prepare students accordingly. Newly recruited teachers have to qualify GATE.
- GATE is a form of quality benchmark for students and teachers. From 1st year, students need to be motivated for GATE.
- Teachers also need to attend classes conducted by GATE FORUM to make them more versatile and acquainted with GATE exam techniques. A pedagogy may be adopted by the teachers for cracking GATE. Solving last 10 years question of GATE examination may be extremely helpful.
- GATE questions practice may be incorporated in the WORKBOOK system so that the students practice GATE questions.
- The students also need to be informed that the semester examination question will be based on the last 10 years GATE examination papers.
- Teachers need to discuss about GATE questions on the topics taught in the last 10 minutes of each class.

- A list needs to be prepared bifurcating the good teachers and not so good teachers and the same need to be discussed with the teacher for their improvement.
- The high GATE scorer student will build image for the University. The benchmark must be set as placement and securing high score in GATE simultaneously.

The meeting ended with vote of thanks to the Chair.



Prof. Dr Sajal Dasgupta
Vice Chancellor
UEM, Kolkata

Minutes of the 17th (IV/18-19) meeting of the Governing Board of University of Engineering & Management, Kolkata held on 15th July, 2019.

The following members were present:

1. Shri Shekhar Dutt, Former Hon'ble Governor of Chhattisgarh & ex-Defence Secretary, Govt. of India.
2. Prof. Dr. D. S. Chauhan, Vice President, AIU, New Delhi & Vice Chancellor, GLA University, Mathura
3. Shri Sujit Kr. Sarkar, IPS (Retd.), Former State Chief Information Commissioner, Ex-Director General of Police, West Bengal.
4. Shri R. Bandyopadhyay, IAS (Retd.), Former Secretary, Ministry of Corporate Affairs, Govt. of India
5. Prof. Dr. Satyajit Chakrabarti, Chancellor, UEM, Kolkata
6. Prof. Dr. Sajal Dasgupta, Vice Chancellor, UEM, Kolkata
7. Prof. Dr. Satyajit Chakrabarti, Pro-Vice Chancellor, UEM, Kolkata
8. Prof. Dr. Rajiv Ganguly, Dean Science, UEM, Kolkata
9. Prof. Dr. K. P. Ghatak, Dean Engineering, UEM, Kolkata
10. Prof. Sukalyan Goswami, Registrar, UEM, Kolkata

Vice Chancellor of the University welcomed all the members of the Governing Board before the commencement of the meeting. A short video of 10 minutes on some glimpses of the various activities from Mar 2019 to May 2019 was presented.

Thereafter, the agenda points of the 17th meeting of the Governing Board were taken up for discussion.

The Governing Board of UEM, Kolkata took the following resolutions:

Agenda Item No - 17.1

Confirmation of Minutes of 16th (III/18-19) Governing Board Meeting held on 18.03.2019.

The minutes of the 16th (III/18-19) Governing Board was circulated to all the members in advance through mail. As there was no observation received from any member, it was confirmed.

Agenda Item No - 17.2

Confirmation of Action Taken Report on 16th (III/18-19) Governing Board Meeting held on 18.03.2019. (Sent with agenda)

The agenda wise Action Taken Report of the 16th (III/18-19) meeting of Governing Board of the University was circulated to all the members in advance through mail. As there was no observation received from any member, it was confirmed.

Agenda Item No - 17.3

- a) **To approve the framing of syllabi of various courses as per guidelines of AICTE.**
Syllabus to include new knowledge papers in all semesters with 2 credits each, such as Machine Learning, Artificial Intelligence, Internet of Things, 3D Printing, Robotics, Deep Learning in all courses i.e. introductory to all courses of the University. Advanced level to be introduced to engineering faculty.
- b) **To approve the introduction of new paper Digital Marketing, IOT & Machine Learning (DM, IOT & ML) in BBA, MBA, BHM courses from Academic Year 2019-20.**

The Governing Board approved the same and suggested to keep the provision of lab training from the very beginning and it should be known to the future recruiters as well. Publicity for such teaching pattern should be done.

Agenda Item No - 17.4

To approve of new subjects with 2 credits that will be introduced in different semesters across all departments of the University.

1st Semester : English Communication & Public Speaking Skill;

2nd Semester : Economy, Finance and Entrepreneurship;

3rd Semester : Command Economy, Free Market Economy, Finance, Financial Markets and Stock Market;

4th Semester: Economics, Currency, Commodities and Derivative Markets

The Governing Board approved the same and suggested to recommend more books in the syllabi.

Agenda Item No - 17.5

To approve inclusion of a paper of 3 credits in the final semester of all B.Tech courses to evaluate students performance in career progression e.g.- Corporate Placement, PSU, GATE, CAT, GRE etc.

A new paper in place of ESP-VIII & SDP-VIII

A new paper of 3 credits may be introduced in the place of ESP-VIII & SDP-VIII.

- The paper will have only two grades, these are O & A.
- O will have a weightage of 10 & A will have a weightage of 8 in gradation process respectively.
- If a student gets placed in Corporate or GATE/CAT/GRE/Govt jobs then he or she will be graded as O. Others will be graded as A.
- Nomenclature for new paper to be finalized in this meeting.

The name of the paper would be "Career Progression".

The Academic Council recommended the same. The Governing Board approved the same with few suggestions as below-

- The name of the subject can be modified to 'Performance Outcome'
- Point distribution can be redesigned as per the Merit of the students
- Distinction can be added to grades as D
- MAT/GMAT/CMAT/TOEFL/IELTS can also be included to get the grades
- Appropriate Gradation system should be adopted and should be defined by the committee through viva voce later on

Agenda Item No - 17.6

To approve some amendments in the Exam regulations.

It is suggested that Exam Regulations need to have a provision for external observer. It is also suggested that only attendance sheet generated for those who have cleared fees payment should be allowed to sit in examinations.

The Academic Council requested Prof. Basudeb Barman to prepare a note on the function of External Observer and also recommended the same. Same has been prepared and placed in the Board.

The Governing Board approved the same.

Agenda Item No - 17.7

To approve introduction of 2 Semester Curriculum comprising of 2 papers on Entrepreneurship as optional elective subject in 3rd/4th Sem as proposed by Wadhwani Foundation (NEN promoter) in a MOU signed by UEMK.

3rd Sem-Foundation Course in Entrepreneurship

4th Sem-Advanced Course in Entrepreneurship

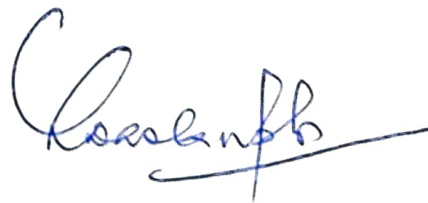
Academic Council has recommended this.

The Governing Board approved the same.

The meeting ended with vote of thanks to the Chair.

Shri Shekhar Dutt

Former Hon'ble Governor of Chhattisgarh
Ex-Defence Secretary, Govt. of India.



Minutes of the 18th (I/19-20) meeting of the Governing Board of University of Engineering & Management, Kolkata held on 18th December, 2019.

The following members were present:

1. Shri Shekhar Dutt, Former Hon'ble Governor of Chhattisgarh & ex-Defence Secretary, Govt. of India.
2. Prof. Dr. D. S. Chauhan, Vice President, AIU, New Delhi & Vice Chancellor, GLA University, Mathura
3. Shri Sujit Kr. Sarkar, IPS (Retd.), Former State Chief Information Commissioner, Ex-Director General of Police, West Bengal.
4. Shri R. Bandyopadhyay, IAS (Retd.), Former Secretary, Ministry of Corporate Affairs, Govt. of India
5. Prof. Dr. Satyajit Chakrabarti, Chancellor, UEM, Kolkata
6. Prof. Banani Chakrabarti, Pro-Vice Chancellor (Finance), UEM, Kolkata
7. Prof. Dr. Sajal Dasgupta, Vice Chancellor, UEM, Kolkata
8. Prof. Dr. Rajiv Ganguly, Dean Science, UEM, Kolkata
9. Prof. Sukalyan Goswami, Registrar, UEM, Kolkata

Vice Chancellor of the University welcomed all the members of the Governing Board before the commencement of the meeting. A short video of 15 minutes on some glimpses of the various activities from June 2019 to November 2019 was presented.

Thereafter, the agenda points of the 18th meeting of the Governing Board were taken up for discussion.

The Governing Board of UEM, Kolkata took the following resolutions:

Agenda Item No – 18.1

a. Confirmation of Minutes of 17th (IV/18-19) Board of Governors Meeting held on 15.07.2019.

The minutes of 17th (IV/18-19) BOG Meeting of the University was circulated to all the members in advance. The same is placed in the Governing Board Meeting for confirmation. As there was no observation received from any member, the draft minutes of the meeting was confirmed.

b. Confirmation of Action Taken Report on 17th (IV/18-19) Board of Governors Meeting held on 15.07.2019.

The agenda wise Action Taken Report on the 17th (IV/18-19) meeting of BOG of the University was circulated to the members in advance. The same is placed in the BOG Meeting for confirmation. As there was no observation received from any member, and they were satisfied with the Action Taken report it was confirmed.

Agenda Item No – 18.2

Revision, Modification and Introduction of new courses in Teaching & Learning methods & Examination Reformation:

a. To approve the revision of some important rules of examination and teaching-learning process of University of Engineering & Management, Kolkata applicable from the academic session 2020-21

Same is placed in Annexure 1 to the BOG for approval.
As there was no observation received from any member, it was confirmed.
This has to be notified to all students and faculty in time for their information.

b. To approve the proposal on modification of Question Bank preparation for 2020-21

The Academic Council approved the proposal of question bank preparation for 2019-20.
It is proposed to make some modification in the process of question bank preparation of UEMK in 2020-21 which is as below-

Placed to the BOG for approval.

Existing system	Proposed system
Question Bank	
Group A: 100 questions 2 marks (from all modules)	200 questions, 3 marks each
Group B: 85 questions 5 marks (from all modules)	200 questions, 6 marks each
Group C: 65 questions 15 marks (from all modules)	150 questions, 12 marks each
Question Paper pattern for 70 marks	Question Paper pattern for 100 marks
Group A: 7 to 8 questions, 2 marks (Attempt 5 questions $2 \times 5 = 10$)	Group A: 12 questions, 3 marks (Attempt 9 questions $3 \times 9 = 27$)
Group B: 5 to 6 questions, 5 marks (Attempt 3 questions $5 \times 3 = 15$)	Group B: 9 questions, 6 marks (Attempt 6 questions $6 \times 6 = 36$)
Group C: 5 to 6 questions, 15 marks (Attempt 3 questions $15 \times 3 = 45$)	Group C: 6 questions, 12 marks (Attempt 3 questions $12 \times 3 = 36$)
Total Marks- 70	Total Marks- 99 + 1 (marks for well placed answers)

The member of Governing Board approved the same and suggested that question framing can also be done by the students as well. Students who are involved in this work are to be recognized to motivate them.

c. To approve the introduction of Statistics in all streams

It is proposed by Academic Council to introduce statistics as a paper in all streams in the 2nd Semester in place of Engg. Mechanics. Students will learn Statistics related subjects upto 6th Sem from UEM-IEM learning/ Coursera/EDX/Udemy/NPTEL/ through MOOCS course.

The members of Governing Board approved the same and suggested that peer-learning can be encouraged and scholarships and rewards can also be introduced to the best students to improve the learning amongst them.

d. To approve the proposal for the introduction of new courses for session 2020-21

It is proposed to introduce the new B. Tech course in Computer Science & Business System (CSBS) in Collaboration with TCS from session 2020-21.

Placed to the BOG for approval.

The members of Governing Board approved the same and also appreciated that feedback and recommendation is important from large corporate to introduce such new course in near future and it can be introduced as Non-AICTE course as well. They have also cautioned that syllabus of this course should not collide with the existing system of education.

BoG has also approved the enhancement of seats from 30 to 60 in Bio Technology Dept. in the coming academic session.

e. To approve the proposal for offering courses under distance learning mode.

It is proposed by Academic Council to introduce courses under distance learning mode.

A detailed report on the same is presented in Annexure 2.

Placed to the BOG for approval.

The proposal was explained to BoG members. BoG has approved the proposal.

f. To approve the proposal for ensuring better student performance in All India Competitive Examinations

- a) It is proposed by Academic Council to award continuous assessment marks of ESP-VIII and SDP-VIII in accordance with the obtained marks of GATE/CAT exam for students.
- b) It is proposed by Academic Council to open separate centres for govt. job/GATE training with nodal centres at UEM & IEM.

Placed to the BOG for approval.

The member of Governing Board approved the same and emphasized on GRE/GMAT to put equal weightage like GATE/CAT.

g. To approve enhancement of fees in Various Courses from the academic session 2020-21

It is also proposed to enhance the course fees as below:

Course	Present	Proposed
B.Tech	65000	70000
BBA	50000	55000
BCA	50000	55000
Exam fees	1000	2000

The justification for enhancement was explained to the members.

BoG has approved the same.

h. To approve the modified syllabus of 2 year MBA course to be implemented from 2020-21 academic semester

The modified syllabus is placed in Annexure 3.

BoG has approved the same.

Agenda Item No - 18.3

To approve constitution of Ethical Committee (Animal ethics) prepared by dept. of Biotechnology

The Institutional Ethical Committee for the Purpose of Control and Supervision of Experiments on Animals is a statutory body formed by the Act of the Indian Parliament under the Prevention of Cruelty to Animals Act 1960.

Any kind of research, project or product involving animals (working with animal or human blood or sputum or developing any product for human use) to be passed through the Institutional Ethical Committee.

BoG has approved the composition of the Committee.

Agenda Item No - 18.4

To approve rescheduling of End Sem Exam on 16th & 17th Dec 2019

End semester theory exam has been started from 9th Dec, 2019 and will be completed on 24th Dec, 2019. Due to law and order problem in the state, University had to postpone a few examinations scheduled on 16th and 17th Dec, 2019. The postponed examination on 16/12/2019 has been rescheduled within 24th Dec, 2019. It has been decided by all the HODs and the University authority in presence of Honorable Chancellor in a meeting held on 17th Dec, 2019 that the examinations scheduled to be held on 17/12/2019 to be rescheduled on 22/12/2019 (Sunday) considering the overall situation that most

of the students will not be available due to their preplanned vacation in semester break from 25/12/2019 to 01/01/2020 and they will undergo their Internship Trainings.

All other examinations from 18th December onwards will be held as per the schedule announced earlier.

Placed to the BOG for approval.

Considering overall situation BoG has approved the rescheduled dates of examinations.

Agenda Item No – 18.5

Reporting Items

- a. **To report on the updated Placement Statistics of present 7th Sem 4th year students of the University.**

➤ **No. of Corporate visited the University** : 34

✓ *No. of students with 1 job offer : 454*

✓ *No. of students with 2 job offers : 222*

✓ *No. of students with 3 job offers : 71*

✓ *No. of students with 4 job offers : 15*

✓ *No. of students with 5 job offers : 02*

Members of Governing Board noted and appreciated the same.

- b. **To report on the Admission Status 2019-20 of the University.**

The admission details of students in the academic year 2019-20 are as below:

B.Tech in CSE,CST & CSIT	758
B.Tech in ECE	155
B.Tech in ME	25
B.Tech in EE	37
B.Tech in Bio-Tech	29
Total in B.Tech	1004
BCA	114
BBA	142
BBA LLB	27

BHM	49
MBA	56
MCA	56

Total students admitted in

The academic year 2019-20 : 1448

Member of Governing Board noted the same and considering the admission status of EE & ME dept. it was suggested to close the admission in these 2 departments in the academic session 2020-21 but continue till the running batches are passed out.

c. To report on the Convocation 2020.

The recommendation of the Academic Council was placed to the BOG for approval which is as follows-

- The date of 3rd Convocation is 18th January, 2020 (Saturday) followed by Alumni meet
- The venue is University of Engineering & Management, Kolkata Campus.
- The letter of invitation to Hon'ble Governor as Chief Guest was sent on 21st October, 2019
- The University proposed the names of following persons to confer the Doctor of Engineering / Doctor of Management
 - Dr. Prajit Nandi, Design Manager, Texas Instruments (India) Pvt. Ltd., Doctor of Engineering
 - Mr. Samir Chatterjee, Managing Director, Rebaca Technologies Pvt. Ltd., Doctor of Engineering
 - Dr. Balbir (Bob) Gill, Adjunct Professor, University of British Columbia, Simon Fraser University & British Columbia Inst. of Technology, Doctor of Engineering
 - Mr. Yogi Sriram, Senior Vice President(Corporate & Human Resource) & Member of Executive Committee, Larsen & Toubro, Doctor of Management

The Governing Board has approved the same.

The members of the Board of Governors discussed the matter at length. It has been noted that due to a serious law and order problem prevailing in the state, lot of students and their parents/guardians requested the University authority to postpone the end semester examinations. Considering, the safety & security of our students, University decided to postpone examinations on 16th & 17th Dec and rescheduled it subsequently. It was more so as the State Technical University (MAKAUT) and many other school and colleges either deferred their examinations or closed the institutions for the time being as it is not known that how long the state wide disturbances will continue.

The BOG has noted that many passed out students either stay or in service at faraway places from Kolkata who may have serious inconveniences to attend the Convocation Function sheduled on 18th January 2020 in the University due to the present law & order problem and unrest in the state. Considering the overall gravity of the present situation prevailing in the state the Board has decided unanimously to postpone the Convocation Function which was scheduled on 18th January, 2020 and advised to intimate to all concerned well in advance to avoid any sort of perpetual problems in future.

Agenda Item No - 18.6

Ratifications to be made

- a. To ratify on the proposal for applying to BCI for inspections of law courses for Academic session 2020-21. (approval received through circulation)
- b. To ratify the revised marking system of examination from odd semester of current academic year, for admission batch 2019-20 onwards. (approval received through circulation)
- c. To Ratify Annual Report, ICC Report & Anti Ragging Report 2018'19 submitted to the higher education dept. Govt. of WB as per the provision of Statute , Rules of the State Govt. (approved through circulation)

Members of Governing Board noted and ratified the approval granted through Circulation.

Agenda Item No - 18.7

To approve the audited accounts 2018-19

Members of Governing approved the same.

Agenda Item No - 18.8

Any other matter

The Chancellor communicated to all the members of Governing Board about the tenure of the present Vice Chancellor of the University which will be over by end of February, 2020 and also proposed to extend the tenure for another three years. The BoG members have approved the same.

The meeting ended with vote of thanks to the Chair.



Prof. (Dr.) Sajal Dasgupta
Vice Chancellor UEM Kolkata

Agenda Note of 19th (II/19-20) Meeting of the Board of Governors of UEM,
Kolkata to be held at the University Campus
on 19th March, 2020 at 11 am.

Agenda Item No - 19.1

Confirmation of Minutes of 18th (I/19-20) Governing Board Meeting held on 18.12.2019.

The minutes of 18th (I/19-20) Governing Board meeting of the University was circulated to the members in advance. The same is placed in the Governing Board meeting for confirmation.

Agenda Item No - 19.2

Confirmation of Action Taken Report on Governing Board Meeting held on 18.12.2019.

The agenda wise Action Taken Report on the 18th (I/19-20) meeting of Governing Board of the University was circulated to the members in advance. The same is placed in the Governing Board meeting for confirmation.

Agenda Item No - 19.3

Suspension of classes to prevent spread of Corona Virus (Covid-19) as per the directive of Higher Education Dept., Govt. of West Bengal

The following decisions have been taken in a meeting held on 18th March, 2020 chaired by Chancellor in presence of Vice Chancellor, Pro Vice Chancellor and all HODs-

- All face to face classes for students of all years will remain suspended from 16th March 2020 till 31st March 2020.
 - Work from home is encouraged for faculty members.
 - The institute facilities like lab, library, internet, studio, and computers may be used by teachers and students.
 - No mass gatherings should take place.
 - Academic Calendar for even semester in the Academic session 2019-20 will be strictly adhered as scheduled.
 - Academic activities should be carried out very meticulously through digital platform i.e. Webex, YouTube live, Zoom cloud meeting, Google classroom, virtual labs and submission of lab work to be done on simulated software.
 - Classes taken are to be interactive in nature, attendance and link of the lecture can be uploaded.
 - Student attendance to be recorded through iemcrp software by conducting online tests.
 - The day to day progress of academic activities of each faculty members should be monitored meticulously by the HODs through google form.
 - Each Dept. may also conduct short departmental meeting everyday either online or offline.
 - Institute and departmental morning and evening meetings will take place everyday online. The link will be given in the official whatsapp group.
 - Hostels are mostly vacated.
- Placed to the Governing Board for Approval.

Agenda Item No - 19.4

Approval Items:

- a) Extra optional courses in every semester and innovative forms of teaching learning.**

The Academic Council of the University proposed to introduce the extra optional course for our students in every semester and innovative forms of teaching learning.

- using online MOOCS,
- Industry certification and foreign certification,
- App based learning English and soft skills,
- App based job placement Training,
- app based foreign language training,
- app based competitive exam training,
- online and app based skill assessment training and pulse check,
- app based health, yoga and meditation training

Placed to the Governing Board for approval.

- b) Uniform 1st year B.Tech syllabus, being followed from current semester, uniformity maintained with IEM, Kolkata.**

B.Tech syllabus for 1st year at UEMK has been marginally modified and being followed from current semester to keep it uniform with IEM,Kolkata. The modified syllabi were recommended by BOS and Faculty Council of Engineering.

Academic Council has recommended this. Placed to the Governing Board for Approval.

Agenda Item No - 19.5

Reporting Items:

- a) Seat Matrix for admission in the Academic session 2020-21.**

Name of the Courses	Applied to AICTE for approved seats on 29th February, 2020
CSE	300
CST	300
CSIT	120
CSBS (Designed by TCS)	60

CSE (AI & ML)	60
CSE (IOT, Cyber Security & Blockchain)	60
ECE	210
BT	30
EE	30
ME	30
CE	30
MCA	60
MBA	60
Total	1350

b) Odd sem result of 2019-20 academic session.

Odd Semester result of 2019-20 is placed in annexure 1.

c) Startup activities and placement statistics of 2020 batch.

Our students are showing promising success in doing business. It is proposed that in Ashram Building where we have around 50,000 sq.ft of space lying vacant and in Barasat we have 6 acres of land lying unused, we should use that to help our alumnus to start or conduct their business. We do give financial support as well as help in formation of the company and also in their tax matters like Income Tax, GST, registration, etc. It is proposed that we will give the space and all other facilities free of charge for two years. After 2 years, if someone needs space then we may decide to help him/her. In that case we will charge penal rent prevailing in sector V which as on today, is Rs. 30 per sq.ft and in Barasat Rs. 10 per sq.ft. The incubation centre will support our ex students from IEM, UEM Kolkata and UEM Jaipur. We will however not allow any other start up of any other colleges to get these facilities.

Placement Statistics of UEM, Kolkata 2nd Batch Students (2016 – 2020) is as below-

Eligible Students had Registered for Campus Placement: 764

Total No. of Companies visited the Campus :	56
Number of Job Offered by Corporate till 29th February, 2020 :	1386
No. of Students who have grabbed Single Job Offer each :	556

No. of Students who have grabbed 2 Job Offers each :	257
No. of Students who have grabbed 3 Job Offers each :	79
No. of Students who have grabbed 4 Job Offers each :	16
No. of Students who have grabbed 5 Job Offers each :	3
Average Package :	INR 4 Lakhs per annum
Highest Package :	INR 12 Lakhs per annum
Lowest Package :	INR 3 Lakhs per annum

d) Creation of an Advanced Robotics & IOT lab.

The Robotics lab is jointly maintained by Department of Computer Science & Engineering, Department of Electronics & Communication Engineering and Dept. of Mechanical Engineering. The amount sanctioned for setting up the Lab was Rs. 1,71,905/- (Sanctioned on 04.03.2019). A part of the required instruments have been procured on 05.08.2019 on the basis of a Purchase Order (PO) amounting to Rs. 36829/- has been spent to procure instruments for project works in Robotics and allied domains. The procured instruments have been utilized in designing Projects/ Models by the students of the University.

A second phase of procurement of necessary equipment has been initiated with an extended budget of Rs. 2.5 lacs in order to enhance and facilitate the students and faculty members to work on Advanced Robotics and IoT based projects. The lab with all infrastructure & equipment will be ready shortly.

e) Distribution of Degree Certificates to 2019 passed out students and Award Ceremony on 17th March 2020.

In the BOG meeting held on 18th Dec, 2019, it was decided to postpone the Convocation 2020.

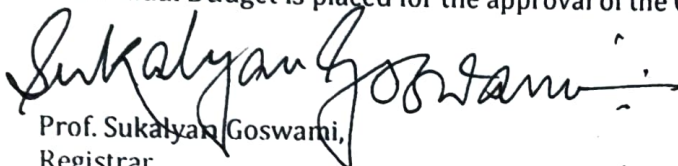
As there were several requests from our passed out students to hand over the Degree Certificates as asked by their employers, we started to distribute the same from 29th Feb, 2020, when more than 500 students attended ALUMNI MEET in our University on that day and collected their certificates. The Certificates are kept under the custody of respective Heads of the Dept. and students who have not yet collected it are informed to collect it at their convenience in any working day within the office hours.

In the Award Ceremony held on 17th March 2020 the Degree of Doctor of Philosophy in Engineering was conferred to Shri Prajit Nandi, Design Manager, Texas Instruments (Pvt.) Ltd. And to Shri Yogi Sriram, Senior Vice President (Corporate & Human Resource) L&T. Chancellor Gold, Silver & Bronze medal, Presidential medal and other prestigious awards were handed over to our present and passout students.

Agenda Item No - 19.6

Approval of Annual Budget for the financial year 2020-21

The Annual Budget is placed for the approval of the Governing Board.



Prof. Sukalyan Goswami,
Registrar
Secretary, Governing Board

Registrar

University of Engineering & Management, Kolkata
University Area, Plot No.-III-B/5
New Town Action Area-III, Kolkata-700160



Minutes of the 20th (III/19-20) meeting of the Governing Board of University of Engineering & Management, Kolkata held on 16th August, 2020.

The following members were present:

1. Shri Shekhar Dutt, Former Hon'ble Governor of Chhattisgarh & Ex-Defence Secretary, Govt. of India.
2. Shri Sujit Kr. Sarkar, IPS (Retd.), Former State Chief Information Commissioner, Ex-Director General of Police, West Bengal.
3. Shri R. Bandyopadhyay, IAS (Retd.), Former Secretary, Ministry of Corporate Affairs, Govt. of India
4. Dr. Swapan Bhattacharya, Former Director, NIT(Durgapur, Suratkal, Itanagar, Calicut)Former Director, IIT-Kolkata
5. Prof. Dr. D. S. Chauhan, Vice President, AIU, New Delhi & Vice Chancellor, GLA University, Mathura
6. Dr. Shantanu Chakraborty, Former Head of Research Applications, Tata Steel, India, Distinguished Visiting Professor, Indian National Academy of Engineering
7. Prof. Dr. Satyajit Chakrabarti, Chancellor, UEM, Kolkata
8. Prof. Dr. Sajal Dasgupta, Vice Chancellor, UEM, Kolkata
9. Prof. Banani Chakrabarti, Pro-Vice Chancellor (Finance), UEM, Kolkata
10. Prof. (Dr.) Satyajit Chakrabarti, Pro Vice Chancellor, UEM, Kolkata
11. Prof. Dr. Rajiv Ganguly, Dean Science, UEM, Kolkata
12. Prof. Sukalyan Goswami, Registrar, UEM, Kolkata

Dr. K.P. Ghatak couldn't attend the meeting due to his prior engagement. His leave of absence was granted.

A short PPT presentation on various notable achievements of the Universities during the COVID pandemic passed over the last four months was shown under the title **"Taking Strides ahead amidst the pandemic"**.

Vice Chancellor of the University welcomed all the members of the Governing Board before the commencement of the meeting.

Thereafter, the agenda points of the 20th meeting of the Governing Board were taken up for discussion with the kind permission of Hon'ble Chancellor..

The Governing Board of UEM, Kolkata took the following resolutions:

Agenda Item No - 20.1

Confirmation of Minutes of 19th (II/19-20) Governing Board Meeting held on 19.03.2020.

The draft minutes of 19th (II/19-20) Governing Board meeting of the University was circulated to all the members in advance through email. The same is placed in the Governing Board meeting for confirmation. As there was no observation received from any member, the draft minutes of the meeting was confirmed.

Agenda Item No - 20.2

Action Taken Report on 19th (II/19-20) Governing Board Meeting held on 19.03.2020.

The agenda wise Action Taken Report on the 19th (II/19-20) meeting of Governing Board of the University was circulated to the members in advance through email. The same was placed and read in the Governing Board meeting for further suggestions, if any.

The members were appraised that at Barasat Campus of IEM-UEM group over 300 students are taking Skill Development training on installation, maintenance & use of Solar cells. Out of those trainee about 30 to 40% are women students and 30 to 40% are the students from Minority Communities. Many students are coming from far away places like Sundarban. Due to Covid pandemic problem activities are slowed down. Once the situation improves, training will start in full force. This is a great satisfactory achievements.

It was informed that a massive solar programme is going on in India. Hon'ble PM has declared that by 2022, 100 Giga Watts of new installations of solar power will be required and 75 Giga Watts of wind power will be required. By 2030, India's 40% of energy requirement will come from renewable energy source. Hence, it was advised that UEMK should join for collaborative R&D activities with the reputed organizers like Viram Solar (MD is Shri. Ganesh Chaturvedi) to manufacture Solar Modules. The objective is to have independent manufacturing set up in India but not to import items from China.

One of our distinguished Board member assured to explore possibilities for a collaborative tie up with Tata Solar/Tata Power. He suggested that collaboration with National Skill Development Corporation can also be beneficial for such programme as UEMK have infrastructure to manufacture Solar cell.

Members suggested to go for MOU with IIT Kharagpur, if possible, as they have large facilities for IOT and Robotics.

Agenda Item No - 20.3

To report and approve the even semester examination results of academic session 2019 - 2020 and subsequent publication of the results.

Academic Council has noted and recommended.
Placed to the BOG for approval.

The Even sem exam result analysis was presented before the Board.

The members of Governing Board have appreciated UEM,Kolkata for successfully conducting the teaching-learning online with the excellent arrangements in this pandemic situation and for setting an example for all.

The term 'Customized exam' was explained to the members which was very innovative in nature to counter the pandemic situation as one of the best practice.

The members of the Governing Board have ratified the results of final year students (even sem) which was already been published and approved the results of other non final years (even sem) which would be published subsequently.

It was suggested by the Board members to preserve the hard copy answer scripts once the students submit it to the University after the exams are over for a period of one year but scanned copies should be kept as original copies for record in a hard disc for a periods of at least 5 years during the pandemic period . However, the issue was left to the Chancellor to take the final decision.

Agenda Item No - 20.4

To approve promotion to few students to 2020-21 academic session, under special consideration, who have year lag in Covid-19 and Amphan super cyclone affected even semester 2019-20 examination, as per the policy of Government of West Bengal. After analyzing the whole result it has been observed that about 0.01% (33 students) students have a year lag in the 2019-20 academic session. To comply with the state policy and from the humanitarian ground, to promote these year lag students from the 2019-20 to 2020-21 academic session, a special improvement examination (online / offline) will be conducted for their even and odd semesters' backlog papers in the month of November, 2020.

Academic Council suggested to conduct the said improvement examination by early September, 2020 .

Placed to the BOG for approval.

The members of Governing Board have approved the same with a suggestion that it is the last chance given to the students and no further consideration will be given to them after this improvement examination is over.

The members also advised that it should not be taken as a precedence and it has to be clearly informed to the students.

Agenda Item No - 20.5

Extension of Approval of AICTE courses for academic session 2020-21.

Name of the Courses	Applied to AICTE for approved seats on 29th February, 2020
CSE	300
CST	300
CSIT	120
CSBS (Designed by TCS)	60
CSE (AI & ML)	60
CSE (IOT, Cyber Security & Blockchain)	60
ECE	210
BT	30
EE	30
ME	30
CE	30
MCA	60
MBA	60
Total	1350

The members wanted to know that whether the University is having required infrastructure and faculty to take care of the new courses. Hon'ble Chancellor assured the members that University is having significant facilities, ProVC explained that the University is having subject matter experts in AI, IOT, Cyber security etc. University have many patents. Many professionals with substantial industrial experts have joined the University. Many faculty have attended short courses in these areas. UEMK likes to collaborate with other Universities in these areas. It was

suggested that National Cyber Security/GOI Coordinator may be talked (Lt Gen Rajesh Pant, Retd) in this matter. The members of Governing Board noted the same.

Agenda Item No - 20.6

To discuss about "New Education Policy"

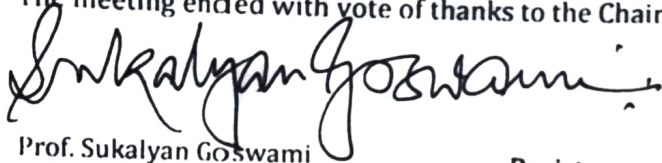
- ❖ **Salient points of speech of Hon'ble PM at Higher Education Conclave-NEP 2020 held on 7th August, 2020 has been highlighted and circulated to the members.**
 - ❖ **The National Education Policy for India 2020 has been framed after 34 years by Govt of India.**
 - ❖ **Based on the NEP 2020, a proposed road map for UEM Kolkata has been prepared and circulated to the members. This need to be discussed.**
-
- **Members expressed that the proposed Education Policy (NEP 2020) emphasized on two areas i.e. Interdisciplinary approach to education and inclusion of subjects like Arts, Liberal Science, Commerce etc.**
 - **In UEMK same things are being emphasized and lots of thought process are adopted into the University systems. With implementation of recommendations of NEP 2020 there will be a Cultural shift towards this. Members obtained that education should enable the students to be an Employer/Entrepreneur . Lots of startup activities to be undertaken by students.**
 - **Withi n 2 years University is aiming towards engagement of large number of Students Startup activities from the 1st year itself. It will be an experiential learning for students. University has embedded entrepreneurship activities for students following NEN Syllabus through Summer/Winter internship where they are actively involved in startup projects. Funding is given to only those successful students through business plan competition.**
 - **It was reported that the University has following facilities**
 - **Incubation Centre , 24x7 hours open for passionate students**
 - **Strong mentorship activities**
 - **Govt. programmes which encourage Entrepreneurship programme**
-
- **It was suggested to visit Israel to learn experience on there entrepreneurship activities.**
 - **It was suggested to conduct a BOG meeting exclusively on NEP 2020.**

- A whatsapp group may be created with BOG members for fruitful interactions.

Agenda Item No - 20.7

Any other matter, with the permission of the Chairman

The meeting ended with vote of thanks to the Chair.



Prof. Sukalyan Goswami
Registrar
UEM Kolkata

Registrar
University of Engineering & Management, Kolkata
University Area, Plot No.-III-B/5
New Town Action Area-III, Kolkata-700160



Minutes of the 21st (I/2020-21) meeting of the Governing Board of University of Engineering and Management, Kolkata held on 23rd Dec , 2020.

The following members were present:

1. Shri Shekhar Dutt, Former Hon'ble Governor of Chhattisgarh & Ex-Defence Secretary, Govt. of India.
2. Shri Sujit Kr. Sarkar, IPS (Retd.), Former State Chief Information Commissioner, Ex-Director General of Police, West Bengal.
3. Shri R. Bandyopadhyay, IAS (Retd.), Former Secretary, Ministry of Corporate Affairs, Govt. of India
4. Dr. Swapan Bhattacharya, Former Director, NIT(Durgapur, Suratkhal, Itanagar, Calicut)Former Director, IIIT-Kolkata
5. Prof. Dr. D. S. Chauhan, Vice President, AIU, New Delhi & Vice Chancellor, GLA University, Mathura
6. Dr. Shantanu Chakraborty, Former Head of Research Applications, Tata Steel, India, Distinguished Visiting Professor, Indian National Academy of Engineering
7. Prof. Dr. Satyajit Chakrabarti, Chancellor, UEM, Kolkata
8. Prof. Dr. Sajal Dasgupta, Vice Chancellor, UEM, Kolkata
9. Prof. Banani Chakrabarti, Pro-Vice Chancellor (Finance), UEM, Kolkata
10. Prof. (Dr.) Satyajit Chakrabarti, Pro Vice Chancellor, UEM, Kolkata
11. Prof. (Dr.) K. P. Ghatak, Dean (Engineering), UEM, Kolkata
12. Prof. Dr. Rajiv Ganguly, Dean Science, UEM, Kolkata
13. Prof. Sukalyan Goswami, Registrar , UEM, Kolkata

The meeting started by paying homage and respect to Lt. Dr. F. C. Kohli and Lt. Dr. A. K. De with 2 mins silence as proposed by the Hon'ble Chancellor.

Vice Chancellor of the University welcomed all the members of the Governing Board before the commencement of the meeting.

Thereafter, the agenda points of the 21st meeting of the Governing Board were taken up for discussion with the kind permission of Hon'ble Chancellor..

1. To confirm the minutes of the 20th Governing Board meeting held on 16th August, 2020.

The minutes of 20th (III/19-20) Governing Board meeting of the University was circulated to the members in advance. The same was placed in the Board meeting for confirmation. As there was no observation received from any member, the draft minutes of the meeting was confirmed.

2. Action Taken Report on the 20th Governing Board meeting held on 16th August, 2020.

The agenda wise Action Taken Report on the 20th (III/19-20) meeting of Governing Board of the University was circulated to the members in advance. The same was placed and read in the Governing Board meeting for further suggestions, if any.

The members of Governing Board suggested to get the latest volume 5.0 on NEP for further information on the same.

3. Vice Chancellor's report.

The report of Vice Chancellor was presented through PPT.

The members of Governing Board appraised the achievements and accomplishments done by UEM, Kolkata during this pandemic period. The hybrid mode of online teaching-learning was explained to our members of Governing Board. A thank you note and word of appreciation was given to Dr. K. P. Ghatak for his outstanding achievements worldwide. The inauguration of Kadambini lab was also highly appreciated by the members of the Governing Board and it was suggested by them that it should be circulated in entire country without delay. It was also suggested by the members of the Governing Board that Chhatra Bishwakarma with achievements of students should be showcased for encouraging the students. The members of Governing Board suggested to circulate all the achievements of University to the Governing Board members via whatsapp group.

4. To report on the admission status in various courses in the Academic Session 2020-21.

Degree	Course	No. of students
B.Tech	CSE	319
	CST	284
	CS&IT	120
	ECE	88

	EE	23
	ME	7
	BT	34
	CSBS	13
	CS(AI&ML)	71
	CS(IOT)	70
BBA	BBA	128
BCA	BCA	89
BHM	BHM	19
BBA LLB	BBA LLB	33
MBA	MBA	72
MCA	MCA	67
Total		1437

The members of Governing Board noted the same.

5. To report on the teaching - learning process on line for new and existing batches of students in the academic session 2020-21.

The B Tech 1st Year (Odd sem) classes in the new session (2020-21) started from 23rd July 2020. Non B Tech 1st year classes started thereafter. For all 1st year students 21 days induction programme was conducted online. Regular classes conducted through virtual platform after the induction programme was over. Term I practical exam was conducted from 4th Dec to 12th Dec 2020, online. Since 14th Dec, 1st year students appeared for Term I theoretical exam online which will be completed on 24th Dec, 2020. Student's attendance in class and examinations are satisfactory.

The regular online classes (odd sem) for continuing batches started from 6th July, 2020. Term I and Term II online examinations are completed. Entire syllabi have been covered successfully through online platform. Practical /Sessional exam for End sem has been commenced on 4th Dec and completed on 12th Dec 2020 through virtual mode. The end sem theoretical Exam has been started on 14th Dec and will be completed on 24th Dec, 2020. The examinations are proctored by faculty and conducted in hybrid mode. Students' attendances in examinations are so far very satisfactory.

The members of Governing Board noted the same.

6. To report on the various statutory sub committees meeting.

Name of the sub committee	Meeting Held on
Faculty Council of Engineering	17th December,2020
Faculty Council of Management	18th December,2020
Faculty Council of Law	16 th December,2020
Faculty Council of Hotel & Hospitality	26 th November,2020
Internal Quality Assurance Cell	17 th December,2020
Grievance Redressal Committee	15 th December, 2020
Internal Complaints Committee	18th December,2020
Anti Ragging Squad	17th December, 2020
Anti Ragging Committee	17th December, 2020
SC / ST Committee	17th December, 2020
Institution's Innovation Council & Entrepreneurship	18th December,2020
Research Board	22nd December 2020
Examination Board	18th December,2020
Finance Committee	Once in every financial year. Will be held on March 2021 for the financial year 2021- 2022

The minutes of the last meeting, Agenda note, Action Taken report and attendance sheets for each subcommittee have been submitted to VC's office.

The members of Governing Board noted the same.

- 7. To report on the Exam schedule of new and existing batches of students of odd sem and to approve proposed schedule for even sem in the academic session 2020-21.**

The Exam Schedule of new and existing batches of students of odd sem is presented in Annexure 1

The proposed schedule for even sem in the academic session 2020-21 is presented in Annexure 2

Academic Council has noted and recommended.

Placed to the BOG for approval.

The members of Governing Board approved the same.

- 8. To approve the establishment of proposed Medical College under the University.**

It is proposed to establish a Medical College as a constituent college and a Hospital as a constituent unit of University of Engineering & Management, Kolkata..

In view of the huge shortage of medical facilities and doctors in our state and the nation as a whole, and in view of the relaxation of land area given to metro cities for establishment of new medical colleges, UEM Kolkata proposes to apply to the Government and also look at private land option of 3 acres land area or more for establishment of a 250 student intake medical college and a 300 bed multispeciality hospital. The investment requirement will be estimated Rs. 250 crores over a period of 5 years. UEM Kolkata will fund the hospital and medical college from project loan and payoff from the income obtained from the Hospital and the Medical College.

Academic Council has noted and recommended.

Placed to the BOG for approval.

The member of Governing Board appreciated the proposal and said that UEM,Kolkata is the right organization for such proposal. In continuation to this the members have suggested to look for a proper land and said that Govt. has relaxed the land requirement on built-up area. The members of Governing Board approved the same.

9. To place the Audited report of the financial year 2019-20.

The Audited report for the financial year 2019-20 is presented in
Annexure 3

&

Annexure 4

The members of Governing Board noted the same.

10. Any other matter.

Amendment has been done for Research Scholar under the clause 15 sub-section (c), as stated in the Ph.D Regulation of the University. These are as below:

A research scholar shall have -

1. Two SCI Journal and One SCOPUS Conference/ Journal.
2. One SCI / ESCI / SCIE Journal , Three SCOPUS Journal or Two SCOPUS Journal and One SCOPUS Conference

Academic Council recommended the same.

Placed to the BOG for approval.

The members of Governing Board approved the same.

The meeting ended with vote of thanks to the Chair.



Prof. Sukalyan Goswami
Registrar
UEM Kolkata

Registrar
University of Engineering & Management, Kolkata
University Area, Plot No.-III-B/5
New Town Action Area-III, Kolkata-700160



Minutes of the 22nd (II/2020-21) meeting of the Governing Board of University of Engineering and Management, Kolkata to be held on 28th April , 2021

The following members were present:

1. Prof. Dr. Satyajit Chakrabarti, Chancellor, UEM, Kolkata
2. Prof. Dr. Sajal Dasgupta, Vice Chancellor, UEM, Kolkata
3. Prof. (Dr.) K. P. Ghatak, Dean (Engineering), UEM, Kolkata
4. Prof. Dr. Rajiv Ganguly, Dean Science, UEM, Kolkata
5. Shri Shekhar Dutt, Former Hon'ble Governor of Chhattisgarh & Ex-Defence Secretary, Govt. of India.
6. Shri Sujit Kr. Sarkar, IPS (Retd.), Former State Chief Information Commissioner, Ex-Director General of Police, West Bengal.
7. Shri R. Bandyopadhyay, IAS (Retd.), Former Secretary, Ministry of Corporate Affairs, Govt. of India
8. Dr. Swapan Bhattacharya, Former Director, NIT (Durgapur, Suratkal, Itanagar, Calicut) Former Director, IIT-Kolkata
9. Prof. Dr. D. S. Chauhan, Vice President, AIU, New Delhi & Vice Chancellor, GLA University, Mathura
10. Dr. Shantanu Chakrabarti, Former Head of Research Applications, Tata Steel, India, Distinguished Visiting Professor, Indian National Academy of Engineering
11. Prof. Banani Chakrabarti, Pro-Vice Chancellor (Finance), UEM, Kolkata
12. Prof. (Dr.) Satyajit Chakrabarti, Pro Vice Chancellor, UEM, Kolkata
13. Prof. Su kalyan Goswami, Registrar , UEM, Kolkata

Vice Chancellor of the University welcomed all the members of the Governing Board before the commencement of the meeting.

Thereafter, the agenda points of the 22nd meeting of the Governing Board were taken up for discussion with the kind permission of Hon'ble Chancellor.

1. To confirm the minutes of the 21st Governing Board meeting held on 23rd December 2020.

The minutes of 21st (I/20-21) Governing Board meeting of the University held on 23rd December 2020 was circulated to the members in advance. The same is placed in the Board meeting for confirmation. As there was no observation received from any member, the draft minutes of the meeting was confirmed.

2. To confirm the Action Taken Report on the 21st Governing Board meeting held on 23rd December 2020.

The agenda wise Action Taken Report of 21st (I/20-21) Governing Board meeting of the University held on 23rd December 2020 was circulated to the members in advance. The same was placed and read in the Governing Board meeting for further suggestions, if any.

The members of Governing Board suggested that there should be one global platform where all the activities, achievements etc. of University should be showcased i.e. the website of the University.

3. Vice Chancellor's report (Significant achievements of the University in the last quarter i.e. January to March 2021).

The report of Vice Chancellor was presented through PPT.

The members of Governing Board appraised the same.

4. To approve the introduction of Integrated PhD Programme from the academic session 2021-22.

It has been recommended by Academic Council to introduce the Integrated PhD program comprises of 1 year of coursework equivalent to Master degree followed by minimum 3 years of dedicated research towards PhD. There is no provision of early exit from the program.

There are also some amendments proposed in PhD rules & regulations as follows :

- i. Registered Patents will be considered as equivalent to 1 Scopus Journal Publication.
- ii. Introduction of Integrated PhD Program from the Academic session July 2021-22.

Placed before the Governing Board for approval.

The Governing Board approved the same and suggested to abide by the UGC & AICTE norms regarding this Intergrated PhD program.

5. To approve the Special Backlog Exams for final year students in the academic session 2020-21.

Final year students having backlogs in recently-concluded odd semester and ongoing even semester will not get a chance to clear their backlogs before next academic session, which will eventually delay their completion of course by 1 year.

Academic Council has recommended special backlog examination for the final year students as proposed.

Placed before the Governing Board for approval.

The members of Governing Board approved the same.

6. To approve the provision of review of the paper 'Skill Development for Professional' (SDP).

As per University Examination rules students are allowed to review their theoretical papers and not practical/sessional papers. Skill Development for Professionals is a sessional paper but is taken in descriptive or MCQ mode which is kind of a theoretical examination. Thus provision of review will be beneficial for the students.

Academic council recommended the same and suggested to make the amendment in the Exam regulation to review the sessional paper 'Skill Development for Professionals (SDP)' accordingly.

Placed before the Governing Board for approval.

The members of Governing Board approved the same as a very special consideration but said not to make this as regular procedure. As long as the conversion into theoretical paper concerned the members of Governing Board suggested for a different nomenclature as per the applicability and suitability of the paper.

7. To approve promotion of the students who have year lag with a provision to clear the backlog papers subsequently.

As per Government regulations last year in Even Semester Examination, all the students were promoted even if they had year lag with a provision to clear their backlog papers subsequently through number of Improvement Tests. We are still in a pandemic situation and the normal offline examinations for the students have not yet been restored. Looking at the current situation, if the students are promoted to the next year having year lag with a provision to clear their backlog subjects subsequently, it will be beneficial for them as per the State Govt directive.

Academic Council recommended the same with a note that the promoted students must have to clear their backlog papers by the next 2 semesters failing which it will be a year lag for them.

Placed before the Governing Board for approval.

The members of Governing Board approved the same.

Agenda Item No - 8

To report on the odd sem results of 2020-21 academic session.

The result of odd semester of 2020-21 is placed in annexure 1.

Academic Council noted the same and recommended to conduct a qualitative analysis (statistical assessment) of the students' performance in the examinations of a particular batch in every discipline throughout their entire course of study in the University. This was desired by the Academic Council to monitor the trend of qualitative improvement of the students throughout.

The members of Governing Board noted the same.

Agenda Item No - 9

To report on the Courses applied to AICTE for the academic session 2021-22.

Extension of Approval (EOA) for offering Technical Programmes at Under Graduate and Post Graduate Degree Level for the session 2021-22

(A) B. Tech Programme

(a)	Computer Science & Engineering	300 seats
(b)	Computer science and Engineering(Internet Of Things AndCyberSecurityIncludingBlock Chain Technology)	180 seats
(c)	Computer Science & Engineering (Artificial Intelligence & Machine Learning)	180 Seats
(d)	Computer Science And Technology	240 seats
(e)	Computer Science And Information Technology	120 seats
(d)	Electronics And Communications Engineering	120 seats
(e)	Mechanical Engineering	30 seats
(g)	Electrical Engineering	30 seats
(h)	Biotechnology	30 seats

(B) MBA Programme 60 seats

(C) MCA Programme 60 seats

The members of Governing Board noted the same.

Agenda Item No - 10

To report on the different subcommittees meeting & Student Chapters activities.

The report on the different subcommittees meeting & Student Chapters activities are presented in Annexure 2.

The members of Governing Board noted the same.

Agenda Item No - 11

To ratify distribution of degree certificates to 2020 pass out students without holding the Convocation Ceremony due to the prevailing Covid-19 pandemic situation. (Approval of the Academic Council & Governing Board received through circulation of papers).

A mail to all the Academic Council members & Governing Board members was sent to have their approval before distribution of the degree certificates to 2020 pass out students without holding the Convocation Ceremony due to the prevailing Covid-19 pandemic situation on 27th January, 2021 & 28th January, 2021 respectively. The members of

Academic Council & Governing board have approved the same through circulation of papers. Accordingly, the degree certificates have been distributed to the students.

Placed to the Governing Board for ratification.

The members of Governing Board ratified the same.

12. Any other matter.

- The syllabus 2021-2024 (for 2020 admission batch) from 3rd to 8th Semester of Biotechnology course are modified according to the AICTE and same was recommended by BOS & Engineering Faculty Council. Academic Council recommended the same.

Placed to the Governing Board for approval.

The members of Governing Board approved the same.

- Time bank concept like Switzerland & Food bank concept like Norway in India in association with IEM-UEM group is approved by the members of Governing Board with great appreciation and suggested to prepare the modus operandi for the Time Bank concept whereas the Food Bank should be started immediately.
- The Members of Governing Board suggested to conduct essay competition amongst students on suitable topics.

The meeting ended with vote of thanks to the Chair.



Prof. Sukalyan Goswami
Registrar
UEM Kolkata

Registrar
University of Engineering & Management, Kolkata
University Area, Plot No.-III-B/5
New Town Action Area-III, Kolkata-700160



**Minutes of the 15th (II/18-19) meeting of the Academic Council of University of
Engineering & Management, Kolkata held on 8th March, 2019**

The following Members were present:

1. Prof. Basudeb Barman, Former Vice Chancellor, Kalyani University
2. Prof. Monojit Mitra, Professor, Dept of Electronics & Communication Engg., IEST, Shibpur
3. Dr. Abhijit Dasgupta, Joint Managing Director, M. N. Dastur & Co (P) Ltd
4. Dr. (Comdt.) J.S. Sareen (Retd.), Global Head (HR), Simplex Infrastructures Ltd
5. Mr. Dipankar Chakrabarti, Executive Director, Advisory Risk Management and Technology Optimization Lead, PricewaterhouseCoopers Pvt. Ltd.
6. Prof. Dr. Satyajit Chakrabarti, Chancellor, UEM, Kolkata
7. Prof. Dr. Sajal Dasgupta, Vice Chancellor, UEM, Kolkata
8. Prof. Dr. Satyajit Chakrabarti, Pro Vice Chancellor, UEM, Kolkata
9. Prof. Banani Chakrabarti, Pro Vice Chancellor (Finance), UEM, Kolkata
10. Prof. Dr. K. P. Ghatak, Dean (Engineering), UEM, Kolkata
11. Prof. Dr. A. K. Nayak, Principal, IEM, Kolkata
12. Prof. Subrata Basak, Principal (BBA, BCA, M.Sc), IEM, Kolkata
13. Prof. Dr. Rajiv Ganguly, Dean (Science), UEM, Kolkata
14. Prof. Dr. Abir Chatterjee, Dean (Research), UEM, Kolkata
15. Prof. (Dr.) P. K. Acharya, Dean (Law), UEM, Kolkata
16. Prof. Rajashree Paul, Deputy Dean (Research), UEM Kolkata
17. Prof. (Dr.) N. K. Mondal, Professor & Controller of Exam, UEM, Kolkata
18. Prof. Sukalyan Goswami, Registrar & HOD (CSE) , UEM, Kolkata
19. Prof. Dr. Subhajit Chatterjee, HOD (EEE Dept), UEM, Kolkata
20. Prof. Soumen Banerjee, HOD (ECE Dept), UEM, Kolkata
21. Prof. Kartik Sau, HOD (Science & Humanities Dept.) , UEM, Kolkata
22. Prof. Susmita Mukherjee, HOD (BT Dept), UEM, Kolkata
23. Prof. Koustov Mondol, HOD (ME Dept), UEM, Kolkata
24. Prof. Sanjay Bhadra, HOD (EE Dept), UEM, Kolkata
25. Prof. Somnath Hazra, HOD (CE Dept), UEM, Kolkata
26. Mr. Partha Bakshi, Proctor, UEM, Kolkata
27. Prof. (Dr.) Ramkrishna Sen, Professor, Biotechnology Dept, IIT Kharagpur
28. Prof. Ratan Kr. Basak, HOD (BBA, BCA & MCA Depts), UEM, Kolkata
29. Prof. (Dr.) Mohuya Chakraborty, Dean (Faculty Development), IEM
30. Prof. (Dr.) Indraneel Mukhopadhyay, Principal (MBA Dept.), IEM
31. Prof. (Dr.) Tapobrata Bhattacharya, HOD (ME Dept.), IEM, Kolkata

The following members could not attend the meeting for various professional and / or personal pre- occupations and were granted leave of absence:

1. Mr Tanmoy Chakrabarty, Vice President and Global Head - Government Industry Solutions Unit, Tata Consultancy Services Ltd
2. Prof. Dilip Kumar Pal, Former Professor & HOD, Dept of Mechanical Engg. & Former Dean (Administration), NIT, Durgapur
3. Prof. Dr. Biswajoy Chatterjee, Vice Chancellor, UEM, Jaipur
4. Prof. Dr. K. K. Ghosh, Professor, IEM, Kolkata

5. Prof. P. K. Mishra, Director (Management), IEM, Kolkata
6. Prof. Dr. Ajanta Das, Professor (CSE Dept.), UEM, Kolkata

The Vice Chancellor of the University welcomed all the members of the Academic Council. Thereafter, the agenda points of the 15th meeting of the Academic Council were taken up for discussion by the Member Secretary.

The Academic Council of UEM, Kolkata took the following resolutions:

Agenda Item No – 15.1

Confirmation of Minutes of 14th (I/18-19) Academic Council Meeting held on 30.11.2018.

The minutes of the 14th (I/18-19) Academic Council was circulated to all the members in advance through mail. As there was no observation received from any member, it was confirmed.

Agenda Item No – 15.2

To read the Action Taken Report on 14th (I/18-19) Academic Council Meeting held on 30.11.2018.

The agenda wise Action Taken Report of the 14th (I/18-19) meeting of Academic Council of the University was circulated to all the members in advance through mail. Matter arising out of the meeting are :

- The Academic council approved the course B.Des in Textile & Fashion Design.
- The Academic Council has recommended to do the feasibility study for the course M.Sc in Geoscience before going forward.
- It has also been suggested that subject like Construction Management can be introduced in 2nd year curriculum for B.Tech students.
- It was also suggested that all the departments can take initiatives to start testing & consultancy jobs including CE, ME and BT depts for revenue generation. Appropriate leading organization may be approached along with brochure of detailed lab facility available

Agenda Item No – 15.3

Power point presentations on “AICTE Leadership Workshop” held at Delhi and Bangalore.

Dr. Mohuya Chakraborty, Dean (Faculty Development) and Dr. Indraneel Mukhopadhyay, Principal (MBA Dept) of IEM presented a PPT presentation on AICTE Leadership Workshop held at Delhi and Bangalore.

Agenda Item No - 15.4

Discussion on "Recent trend in Higher Technical Education globally with an emphasis to new policies and guidelines adopted by AICTE / UGC".

Prof. (Dr.) A.K. Nayak, Principal, IEM discussed on the above mentioned topic. In that session different kind of models of education across the world were discussed.

Degree will be obtained with 160 Credit points; Degree with Honours will be obtained with 180 Credit points. 20 Credit points extra for MOOCs/Swayam program. Degree with Premium Honours will be obtained with 10 Credit point extra over and above 180 Credit point for entrepreneurship activities.

It was also discussed that course like B.Tech in Artificial Intelligence introduced in MIT, IIT (Hyd) and Carnegie Mellon University. Similarly UEMK can add Cyber Technology in it's curriculum. It was said that the Syllabus of Anna University appears to be the best amongst all the other University and the same can be followed by UEMK.

Agenda Item No - 15.5

To approve the "Revised Examination Regulations" of the University.

The draft "Revised Examination Regulations" in which all the relevant resolutions as approved by the Governing Board on the basis of recommendations of the Academic Council, in the last few meetings, have been incorporated and was placed to the Academic Council.

The Academic Council went through it and approved the "Revised Examination Regulations".

Agenda Item No - 15.6

To report on the framing of 3rd and 4th semester syllabus of courses as per guidelines of AICTE.

The syllabus of 3rd & 4th semester of various courses as per AICTE guidelines is under preparation and will be placed in the next Academic Council meeting.

The Academic Council noted the same.

Agenda Item No - 15.7

To approve the Mandatory Additional Requirement (MAR) applicable for all UG Programmes from the academic year 2019-20.

Every student may choose, as per his/her liking, co-curricular and extracurricular activities in order to achieve the mandatory points before becoming eligible for award of the Degree. These activities may be spread over the duration of study of a course for an under-graduate degree, as per schedule and programmes drawn by the University.

The below mentioned table provides a List of Activity Heads for co-curricular and extracurricular activities.

Sl. No.	Name of the Activity
1.	Tech Fest/Teachers Day/Freshers Welcome
2.	Rural Reporting
3.	Tree Plantation
4.	Participation in Relief Camps
5.	Participation in Debate/Group Discussion/ Tech quiz
6.	Publication of magazine in institutional level (magazine/article/internet)
7.	Publication in News Paper, Magazine & Blogs
8.	Research Publication
9.	Innovative Projects (other than course curriculum)
10.	Blood donation
11.	Participation in Sports/Games
12.	Cultural Programme (Dance, Drama, Elocution, Music etc.)
13.	Member of Professional Society
14.	Student Chapter activities
15.	Relevant Industry Visit & Report
16.	Photography activities in different Club
17.	Participation in Yoga Camp (Certificate to be submitted)
18.	Self-Entrepreneurship Programme
19.	Adventure Sports with Certification
20.	Training to under privileged/Physically challenged
21.	Community Service & Allied Activities

For any degree to be obtained, a student shall successfully complete 4 (four) such co-curricular activities for award of 4 (four) credit points before commencement of the last academic session. A co-curricular event /activity will carry full marks of 50 and a student shall score at least 25 marks in each event / activity to qualify.

Each event / activity will have a duration of 5 hours or multiple of it upto a maximum of 15 hours. The approval in regard to such an event shall be taken from the Vice-Chancellor on case to case basis.

The above mentioned proposal was made to Academic Council and same has been approved.

Agenda Item No – 15.8

To approve incorporation of credit course “Entrepreneurship” in the engineering curriculum of the University.

The University proposes to incorporate “Entrepreneurship” as credit course in the engineering curriculum of the University.

The Academic Council has approved the same. It has recommended to introduce Entrepreneurship Course in B.Tech programme.

Agenda Item No -15.9

To approve revision of the existing Patent & Incentive policy of the University.

It was suggested that the existing policy is to be revised and will be placed to the next Academic Council for approval.

Agenda Item No -15.10

To report on establishment of proposed observatory with Dobsonian / Newtonian Telescope in the University campus.

It was informed that the purchase has been made partially and will be completed within the next few days. Images of the instruments will be placed in next Academic Council Meeting.

Agenda Item No - 15.11

To report on the following subjects :

- i. **Placement Statistics of final year students (passing out in 2019) of the University in Phase I (Sept - Nov, 2018) and ongoing Phase II (Jan - March, 2019).**
- ii. **Publication of odd semester (1st, 3rd, 5th and 7th) examinations results of the University for the academic year 2018-19.**
- iii. **Conduct of 1st Term Examination of even semester for academic session 2018-19.**
- iv. **Feedback collected from students both in online and offline mode in February 2019 regarding teachers' performance.**
- v. **Feedback collected from industry stake holders (all the corporate houses, recruiting the students of the University).**
- vi. **Various activities taken up by the University under MHRD Institution Innovation Council (IIC).**
- vii. **National and International conferences organized / to be organized by IEM- UEM in the year 2019 :**
 - **IEEE CCWC 2019 (7th - 9th January, 2019) at University of Nevada, Las Vegas, USA**
 - **IEM UEM Convention, 2019 (7th - 9th February, 2019) at National University of Singapore, Singapore**
 - **SPECTRUM 2019 (7th - 9th March, 2019) at IEM, Management House**
 - **IMECON 2019 (13th - 15th March, 2019) at B.M. Birla Auditorium & Conference Halls, Jaipur**

- **OPTRONIX 2019 (18th – 20th March, 2019) at UEM, Kolkata**
 - **IEEE UEMCOS 2019 (25th – 27th April, 2019) at UEM, Kolkata**
 - **ICELTS 2019 (25th – 27th July, 2019) at IEM, Management House**
 - **BIOSPECTRUM 2019 (8th – 10th August, 2019) at UEM, Kolkata**
 - **eHaCON 2019 (17th – 25th August, 2019) at IEM, Gurukul Campus**
 - **IEMENTech 2019 (29th – 31st August, 2019) at IEM, Gurukul Campus**
 - **IEEE UEM GREEN 2019 (25th – 27th Sept, 2019) at UEM, Kolkata**
 - **IEEE UEMCON 2019 (10th – 12th October, 2019) at Columbia University, New York, USA**
 - **IEEE IEMCON 2019 (17th – 19th October, 2019) at University of British Columbia, Canada**
- viii. **Meetings of the various Boards and Committees as per the Statutes of the University.**
- ix. **Updates on the 6th (II/18-19) Internal Quality Assessment Cell (IQAC) meeting held on 1st March, 2019.**
- x. **New appointment at the University after the 14th (I/18-19) Academic Council Meeting held on 30.11.2018 and the resignation during this period.**
- xi. **Departmental Progress Report from Dec 2018 – Feb 2019.**
- **Publication details (Cumulative)**
 - **Patent Filed (Cumulative)**
 - **Ph.D Status**
 - **Faculty Development Programme**
 - **Research Project Proposals submitted**
 - **Conference / Seminars / Workshops organized or attended**
 - **Distinguished Lecture Series**
 - **Industrial Tours**
 - **Various Competitions**
 - **Startups**
 - **Student chapter activities**
 - **Awards and appreciations received**
 - **New infrastructure / facilities**
- xii. **Few events those were organized by the University from Dec 2018 – Feb 2019.**

The Annexure I was circulated to all the members in advance through mail.

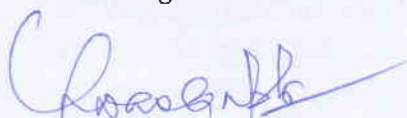
It was proposed that there can be a special supplementary examination for the students who failed in final semester and got the job offer in campus recruitment. The examination can be taken in the month of May. The Academic Council approved the same.

Agenda Item No -15.12

Any other matter with the permission of the Chair.

The Academic Council appreciated UEM for giving financial support of Rs. 1 lac to each family, total Rs. 40 lacs for our 40 brave soldiers martyred by the Pulwama, Kashmir terrorist attacks on 14th February, 2019. UEM also will train for free widows of the soldiers under the PMKVY scheme for 3 months at Kolkata. If they have children, UEM will provide free food & accommodation and schooling for the kids during the training period of their mother. Free hostel and fooding during the duration of the training at Kolkata will be provided. UEM will give 50% scholarship to children of defense personnel studying in UEM, Jaipur. In case of martyred soldiers, UEM will give 100% scholarship & free hostel to such students.

The meeting ended with vote of thanks to the Chair.



Prof. Dr Sajal Dasgupta
Vice Chancellor
UEM Kolkata

**Minutes of the 16th (III/18-19) meeting of the Academic Council of University of
Engineering & Management, Kolkata held on 5th July, 2019**

The following Members were present:

1. Prof. Basudeb Barman, Former Vice Chancellor, Kalyani University
2. Prof. Monojit Mitra, Professor, Dept of Electronics & Communication Engg., IEST, Shibpur
3. Dr. (Comdt.) J.S. Sareen (Retd.), Global Head (HR), Simplex Infrastructures Ltd
4. Prof. Dr. Satyajit Chakrabarti, Chancellor, UEM, Kolkata
5. Prof. Dr. Sajal Dasgupta, Vice Chancellor, UEM, Kolkata
6. Prof. Dr. Satyajit Chakrabarti, Pro Vice Chancellor, UEM, Kolkata
7. Prof. Dr. K. P. Ghatak, Dean (Engineering), UEM, Kolkata
8. Prof. Dr. A. K. Nayak, Principal, IEM, Kolkata
9. Prof. Dr. Rajiv Ganguly, Dean (Science), UEM, Kolkata
10. Prof. Dr. Abir Chatterjee, Dean (Research), UEM, Kolkata
11. Prof. (Dr.) P. K. Acharya, Dean (Law), UEM, Kolkata
12. Prof. Rajashree Paul, Deputy Dean (Research), UEM Kolkata
13. Prof. (Dr.) N. K. Mondal, Professor & Controller of Exam, UEM, Kolkata
14. Prof. Sukalyan Goswami, Registrar & HOD (CSE) , UEM, Kolkata
15. Prof. Dr. Subhajit Chatterjee, HOD (EEE Dept), UEM, Kolkata
16. Prof. Kartik Sau, HOD (Science & Humanities Dept.) , UEM, Kolkata
17. Prof. Susmita Mukherjee, HOD (BT Dept), UEM, Kolkata
18. Prof. Koustov Mondol, HOD (ME Dept), UEM, Kolkata
19. Prof. Sanjay Bhadra, HOD (EE Dept), UEM, Kolkata
20. Prof. Somnath Hazra, HOD (CE Dept), UEM, Kolkata
21. Mr. Partha Bakshi, Proctor, UEM, Kolkata
22. Prof. Ratan Kr. Basak, HOD (BBA, BCA & MCA Depts), UEM, Kolkata
23. Prof. Dr. Ajanta Das, Professor (CSE Dept.), UEM, Kolkata
24. Prof. Dr. K. K. Ghosh, Professor, IEM, Kolkata

The following members could not attend the meeting for various professional and / or personal pre- occupations and were granted leave of absence:

1. Mr Tanmoy Chakrabarty, Vice President and Global Head – Government Industry Solutions Unit, Tata Consultancy Services Ltd
2. Prof. Dilip Kumar Pal, Former Professor & HOD, Dept of Mechanical Engg. & Former Dean (Administration), NIT, Durgapur
3. Dr. Abhijit Dasgupta, Joint Managing Director, M. N. Dastur & Co (P) Ltd
4. Prof. Dr. Biswajoy Chatterjee, Vice Chancellor, UEM, Jaipur
5. Prof. P. K. Mishra, Director (Management), IEM, Kolkata
6. Prof. Banani Chakrabarti, Pro Vice Chancellor (Finance), UEM, Kolkata
7. Prof. (Dr.) Ramkrishna Sen, Professor, Biotechnology Dept, IIT Kharagpur
8. Mr. Dipankar Chakrabarti, Executive Director, Advisory Risk Management and Technology Optimization Lead, PricewaterhouseCoopers Pvt. Ltd.
9. Prof. Subrata Basak, Principal (BBA, BCA, M.Sc), IEM, Kolkata
10. Prof. Soumen Banerjee, HOD (ECE Dept), UEM, Kolkata

The Vice Chancellor of the University welcomed all the members of the Academic Council. Thereafter, the agenda points of the 16th meeting of the Academic Council were taken up for discussion by the Member Secretary.

The Academic Council of UEM, Kolkata took the following resolutions:

Agenda Item No - 16.1

Confirmation of Minutes of 15th (II/18-19) Academic Council Meeting held on 08.03.2019.

The minutes of the 15th (II/18-19) Academic Council was circulated to all the members in advance through mail. The minutes of the meeting was confirmed by the members.

Agenda Item No - 16.2

Confirmation of Action Taken Report on 15th (II/18-19) Academic Council Meeting held on 08.03.2019. (Sent with agenda)

The agenda wise Action Taken Report of the 15th (II/18-19) meeting of Academic Council of the University was circulated to all the members in advance through mail. As there was no observation received from any member, it was confirmed.

Agenda Item No - 16.3

a) To report on the framing of syllabi of various courses as per guidelines of AICTE.

It was advised by the members of Academic Council that in the heading of the attached annexure it should be mentioned that it is recommended by the Faculty Council and BOS.

Same has been recommended by the Academic Council.

b) New paper Digital Marketing, IOT & Machine Learning (DM, IOT & ML) to be introduced in BBA, MBA, BHM courses from Academic Year 2019-20.

Same has been recommended by the Academic Council.

Agenda Item No - 16.4

To approve of new subjects with 2 credits that will be introduced in different semesters across all departments of the University.

1st Semester : English Communication & Public Speaking Skill;

2nd Semester : Economy, Finance and Entrepreneurship;

3rd Semester : Command Economy, Free Market Economy, Finance, Financial Markets and Stock Market;

4th Semester: Economics, Currency, Commodities and Derivative Markets

The Academic Council has noted the same and suggested that the syllabus of 1st Semester's subject i.e. English Communication & Public Speaking Skill is to be revised before the

commencement of next Academic Session. It was also suggested that this subject can be taught throughout the entire course from 1st Sem to 5th Sem.
The subject of 2nd Semester i.e. Economy, Finance and Entrepreneurship also needs to be revised. Contract Management can be introduced as topic in the subject of 2nd Semester and can be also shifted to 7th Semester for better understanding by the students.

Agenda Item No - 16.5

To propose inclusion of a paper of 3 credits in the final semester of all B.Tech courses to evaluate students performance in career progression e.g.- Corporate Placement, PSU, GATE, CAT, GRE etc.

The name of the paper would be "Career Progression".
The Academic Council recommended the same.

Agenda Item No - 16.6

To report on the Exam regulations.

It was suggested that Exam Regulations need to have a provision for external observer. It was also suggested that only attendance sheet generated for those who have cleared fees payment should be allowed to sit in examinations.

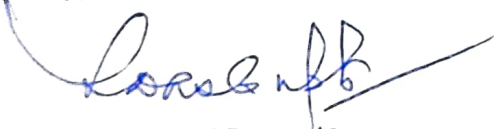
The Academic Council requested Prof. Basudeb Barman to prepare a note on the function of External Observer and also recommended the same.

Agenda Item No - 16.7

Reporting of introduction of 2 Semester Curriculum comprising of 2 papers on Entrepreneurship as optional elective subject in 5th/6th Sem as proposed by Wadhvani Foundation (NEN promoter) in a MOU signed by UEMK.

The Academic Council suggested that papers can be kept in 3rd & 4th Semester as Elective.

The meeting ended with vote of thanks to the Chair.



Prof. Dr Sajal Dasgupta
Vice Chancellor
UEM Kolkata

**Minutes of the 17th (I/19-20) meeting of the Academic Council of University of
Engineering & Management, Kolkata held on 07th November, 2019**

The following Members were present:

1. Prof. Basudeb Barman, Former Vice Chancellor, Kalyani University
2. Prof. Monojit Mitra, Professor, Dept of Electronics & Communication Engg., IEST, Shibpur
3. Dr. (Comdt.) J.S. Sareen (Retd.), Global Head (HR), Simplex Infrastructures Ltd
4. Prof. Dilip Kumar Pal, Former Professor & HOD, Dept of Mechanical Engg. & Former Dean (Administration), NIT, Durgapur
5. Dr. Abhijit Dasgupta, Joint Managing Director, M. N. Dastur & Co (P) Ltd
6. Prof. (Dr.) Satyajit Chakrabarti, Chancellor, UEM, Kolkata
7. Prof. (Dr.) Sajal Dasgupta, Vice Chancellor, UEM, Kolkata
8. Prof. (Dr.) Satyajit Chakrabarti, Pro Vice Chancellor, UEM, Kolkata
9. Prof. Banani Chakrabarti, Pro Vice Chancellor (Finance), UEM, Kolkata
10. Prof. (Dr.) A. K. Nayak, Principal, IEM, Kolkata
11. Prof. (Dr.) Rajiv Ganguly, Dean (Science), UEM, Kolkata
12. Prof. (Dr.) P. K. Acharya, Dean (Law), UEM, Kolkata
13. Prof. Rajashree Paul, Deputy Dean (Research), UEM Kolkata
14. Prof. (Dr.) N. K. Mondal, Professor & Controller of Exam, UEM, Kolkata
15. Prof. Sukalyan Goswami, Registrar & HOD (CSE), UEM, Kolkata
16. Prof. (Dr.) Soumen Banerjee, HOD (ECE Dept), UEM, Kolkata
17. Prof. (Dr.) Subhajit Chatterjee, HOD (EEE Dept), UEM, Kolkata
18. Prof. (Dr.) Kartik Sau, HOD (Science & Humanities Dept.), UEM, Kolkata
19. Prof. (Dr.) Susmita Mukherjee, HOD (BT Dept), UEM, Kolkata
20. Prof. Koustov Mondol, HOD (ME Dept), UEM, Kolkata
21. Prof. Sanjay Bhadra, HOD (EE Dept), UEM, Kolkata
22. Prof. Somnath Hazra, HOD (CE Dept), UEM, Kolkata
23. Mr. Partha Bakshi, Proctor, UEM, Kolkata
24. Prof. Ratan Kr. Basak, HOD (BBA, BCA & MCA Depts), UEM, Kolkata
25. Prof. Subrata Basak, Principal (BBA, BCA, M.Sc), IEM, Kolkata

The following members could not attend the meeting for various professional and / or personal pre-occupations and were granted leave of absence:

1. Mr. Tanmoy Chakrabarty, Vice President and Global Head – Government Industry Solutions Unit, Tata Consultancy Services Ltd
2. Prof. Dr. Biswajoy Chatterjee, Vice Chancellor, UEM, Jaipur
3. Prof. P. K. Mishra, Director (Management), IEM, Kolkata
4. Prof. (Dr.) Ramkrishna Sen, Professor, Biotechnology Dept, IIT Kharagpur
5. Mr. Dipankar Chakrabarti, Executive Director, Advisory Risk Management and Technology Optimization Lead, PricewaterhouseCoopers Pvt. Ltd.
6. Prof. Dr. K. K. Ghosh, Professor, IEM, Kolkata
7. Prof. Dr. K. P. Ghatak, Dean (Engineering), UEM, Kolkata
8. Prof. Dr. Abir Chatterjee, Dean (Research), UEM, Kolkata

The Vice Chancellor of the University welcomed all the members of the Academic Council. Thereafter, the agenda points of the 17th meeting of the Academic Council were taken up for discussion by the Member Secretary.

The meeting was started with the ProVC's speech on IEM-UEM achievements in overseas which are as below-

- IEM - UEM Group organized the International Indian Cultural Festival in Vancouver, Canada on October 19, 2019.
- Major aspects of Indian culture were presented - Bengali Rabindrasangeet, Classical Bharatnatyam, Odissi, Gujrati Garba, Punjabi Bhangra, Kishore Kumar songs, old and new Bollywood Hindi songs.

The Academic Council of UEM, Kolkata took the following resolutions:

Agenda Item No – 17.1

Confirmation of Minutes of 16th (III/18-19) Academic Council Meeting held on 05.07.2019.

The minutes of 16th (III/18-19) Academic Council meeting of the University was circulated to the members in advance. The minutes of the meeting was confirmed by the members.

Agenda Item No – 17.2

Confirmation of Action Taken Report on 16th (III/18-19) Academic Council Meeting held on 05.07.2019.

The agenda wise Action Taken Report on the 16th (III/18-19) meeting of Academic Council of the University was circulated to the members in advance. The same is placed in the Council meeting for confirmation. As there was no observation received from any member, it was confirmed.

Agenda Item No – 17.3

To approve the revised marking system of examination from current academic year, for admission batch 2019-20 onwards.

1. a) 60 marks will be given for class attendance/ problem solving class work/ assignments.
b) 20 marks will be given for each term examination in a semester. There will be 2 term examinations in a semester. So there will be total of 40 marks for 2 term examinations. 1st term test will be offline and 2nd term test will be online/offline.
c) 100 marks will be given for written examinations at end semester.
2. Month wise maximum internal marks will be capped at percentage of attendance. i.e. if any student has attended 60% of the total days for the month then he or she can score maximum 9 out of 15.

The member of Academic Council suggested/recommended few points regarding the revised marking system. These are as below-

- 60 marks will be given for class attendance, problem solving class work & assignments & viva voce
- 2nd term test can be online & viva voce based
- Month wise maximum internal marks will be capped at percentage of attendance. For example if any student has attended 80% of the total days for the month then he or she can score maximum 12 out of 15.
- Grade drop system can also be introduced in case of the low attendance.
- All the classed should have simulation software
- Faculty training for simulation software using process also to be arranged
- Seminar Classes and group discussion also should be incorporated.
- Problem solving and assignments together can be clubbed to give presentation and then viva-voce can be conducted and teachers can act like examiners. Inter departmental faculties can be there as external observer during assessment.
- Internal committee can also be formed for seminar & viva voce assessment for students
- Slots for seminar & viva voce can be kept in academic calendar
- Visual learning and animated lab survey can be done by the students themselves to understand in which topic further animated presentation can be prepared for better visual learning.

1. Revised Marking System of The Examination (Applicable from current academic session 2019-20).

A. Each Theory paper will have two components (200 marks).

a. Continuous Assessment (100 marks):

- i. 60 marks will be given for class attendance, problem solving, class work & assignments with viva-voce.
- ii. 20 marks will be given for each Term Examination. There will be two term examinations. 1st Term Test (20 marks) will be off-line and 2nd Term Test (20 marks) will be off-line or on-line.

b. End Semester Examination (Written): 100 marks duration 3 hours

100 marks
Group A: 10 marks (Attempt 5 out of 8 questions $5 \times 2 = 10$)
Group B: 15 marks (Attempt 3 out of 6 questions $3 \times 5 = 15$)
Group C: 75 marks (Attempt 5 out of 10 questions $5 \times 15 = 75$)
Total Marks- 100

c. To pass Theory paper, a student has to score:

Continuous assessment (CA)	: 40 out of 100.
End semester Examination	: 40 out of 100

B. Each Practical/Sessional paper will have two components (200 marks).

a. Continuous Assessment (100 marks):

- i. 60 marks will be given on 6 parameters, each consisting of 10 marks, i.e. class attendance, experiment conduction/programming, problem solving, class work, assignments, projects with viva-voce.
- ii. 20 marks will be given for each Term Examination. There will be two term examinations. Both term examination will consist of experiment conduction/programming & viva-voce.

b. End Semester Examination (Written): 100 marks, duration 3 hours

Experiment conduction/programming	: 80
Viva-voce	: 20

c. To pass in Practical/Sessional Paper, a student has to score:

Continuous assessment (CA)	: 50 out of 100.
End Semester Examination	: 50 out of 100

C. Month wise Maximum Internal Marks will be capped at percentage of attendance, e.g., if any student has attended 80% of the total working days for the month, then he or she can score maximum 12 marks out of 15.

2. A student will have year lag, if he or she has more than 4 back log papers (cumulative) before being promoted to the next higher year.

3. A student will have year lag, if he or she obtains 'F' (Fail) grade in any practical or sessional paper. This rule is applicable from current academic session 2019-20.

4. Every day, say for all 60 minutes class, approximately 40 minutes will be there for teaching, 10 minutes will be there for online exam. This exam may be taken in smart phones by the students in the class. Once the exam is over, 5 minutes will be given for the students to give a feedback about the delivered topic. The students will give percentage rating of their understanding of the delivered topic. For example: If the teacher is very good he may be given 90% and if the teacher is not good he may be given 10% or 20%. This system will ensure the following:

- i. Students will appear for the online tests from the class itself and on the basis of online tests everyday attendance marking will be made.
- ii. After online test time is over, a student will give assessment about his/her understanding separately. This will be kept invisible from both teachers and students. This will be known only to the HOD.

Agenda Item No - 17.4

Proposal for offering courses under distance learning mode.

- The State Act 2014 published through gazette notification has allowed UEM, Kolkata to run the Distance Learning Programme.
- UGC informed the University in May, 2015 to approach directly to the Distance Education Bureau of UGC to take their approval for launching such courses.
- UGC Regulation 2017 (Open Distance learning) is available for detail guideline.
- The Diploma, Post Graduate Diploma or Certificate programmes that may be offered online under the distance learning mode in contemporary courses are as below-

A. PG diploma in

- Machine Learning,
- Artificial Intelligence
- Deep Learning
- Data Analytics & Business Intelligence

Minimum qualification: B.Tech/BCA/MCA, B.Sc in Physics, Mathematics, Computer science in regular course is eligible.

B. PG diploma in

- Management Accounts, a replica of Chartered Accountancies,
- Stock market operation & analysis
- Public administration
- Business Management

Minimum qualification: BBA/B.Com/M.Com/B.Tech/B.Sc

- UEM, Kolkata may collaborate with various corporate sector organizations for this purpose. We will try to do collaboration within Institution of Engineers & IETE.
- The courses will be offered in the virtual learning environment. Contents will be generated by the University (Host Institute).

Member of Academic Council suggested that minimum qualification may not be required for the distance learning education. Market survey of various distance courses need to be surveyed based on which distance learning course of the University can be designed. Few suggestions like classroom, weekend classes in classroom mode by internal faculty or experienced industrial persons and placement assistance along with pool campus may be incorporated to make the courses attractive for the students/learners. Feasibility to be examined for introduction of blended course with 6 month classroom training & 6 months internship training. A committee can also be formed consisting of VC, Pro VC of UEM and Principal of IEM to take this forward.

Agenda Item No – 17.5

Proposal for ensuring better student performance in All India Competitive Examinations

- a) It is proposed to award continuous assessment marks of ESP-VIII and SDP-VIII in accordance with the obtained marks of GATE/CAT exam for students.
- b) It is proposed to open separate centres for govt. job/GATE training with nodal centres at UEM & IEM.

The Academic Council recommended the same.

Agenda Item No – 17.6

To propose on modification of Question Bank preparation

It is proposed to make some modification in the process of question bank preparation of UEMK which is as below-

Existing system	Proposed system
Question Bank	
Group A: 100 questions 2 marks (from all modules)	200 questions, 2 marks each
Group B: 85 questions 5 marks (from all modules)	200 questions, 5 marks each
Group C: 65 questions 15 marks (from all modules)	150 questions, 15 marks each
Question Paper pattern for 70 marks	Question Paper pattern for 100 marks
Group A: 7 to 8 questions, 2 marks (Attempt 5 questions $2 \times 5 = 10$)	Group A: 7 to 8 questions, 2 marks (Attempt 5 questions $2 \times 5 = 10$)
Group B: 5 to 6 questions, 5 marks (Attempt 3 questions $5 \times 3 = 15$)	Group B: 5 to 6 questions, 5 marks (Attempt 3 questions $5 \times 3 = 15$)
Group C: 5 to 6 questions, 15 marks (Attempt 3 questions $15 \times 3 = 45$)	Group C: 10 questions, 15 marks (Attempt 5 questions $15 \times 5 = 75$)
Total Marks- 70	Total Marks- 100

The Academic Council recommended the same and also suggested to reduce the timing from 3 hours to 2 hours of mid-term for 70 marks

Agenda Item No - 17.7

Introduction of Statistics in all streams

It is proposed to introduce statistics as a paper in all streams in the 2nd Semester in place of Engg. Mechanics. Students will learn Statistics related subjects upto 6th Sem from UEM-IEM learning/ Coursera/EDX/Udemy/NPTEL/ through MOOCS course.

The Academic Council recommended the same and also suggested Mat lab, Python, Simulation etc. software can be used from 2019'20 academic session.

In addition to that it was also cautioned by the member of Academic Council that whatever changes/modifications are made/introduced or incorporated by the University, it should be seriously maintained to keep its good name intact.

Agenda Item No - 17.8

To report on the Convocation 2020.

- The date of 3rd Convocation is 18th January, 2020 (Saturday) followed by Alumni meet
- The venue is University of Engineering & Management, Kolkata Campus.
- The letter of invitation to Hon'ble Governor as Chief Guest was sent on 21st October, 2019
- The University proposed the names of following persons to confer the Doctor of Engineering / Doctor of Management
 - Dr. Prajit Nandi, Design Manager, Texas Instruments (India) Pvt. Ltd., Doctor of Engineering
 - Mr. Samir Chatterjee, Managing Director, Rebaca Technologies Pvt. Ltd., Doctor of Engineering
 - Dr. Balbir (Bob) Gill, Adjunct Professor, University of British Columbia, Simon Fraser University & British Columbia Inst. of Technology, Doctor of Engineering
 - Mr. Yogi Sriram, Senior Vice President(Corporate & Human Resource) & Member of Executive Committee, Larsen & Toubro ,Doctor of Management

The Academic Council has approved the same and decided to place it to the Governing Board for final approval.

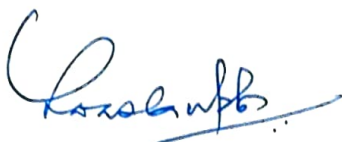
- Prof. B.B. Ghosh Memorial Award to be given to the students as GPA toppers out of all courses- all streams of continuing batches of 2016, 2017 and 2018.
- Mrs. Maya Chakraborty Memorial Award, Dr. Sudarshan Chakrabarti Memorial Award, Mr. Birendra Kumar Chakrabarti Memorial Award & Mrs. Bela Chakrabarti Memorial Award to be given to the students with all round performances of ongoing batches.
- Presidential Gold Medal Award to be given to the DGPA topper of all courses-all streams of 2019 passed out batch.
- Dr. A.P. Ghatak and Mrs Meera Ghatak Memorial Award to be given to the boy student (topper) and girl student (topper) respectively from B.Tech 2019 passed out batch.
- Chancellor's Gold Medal Award to be given to the students (Toppers) of 2019 passed out batch from all departments-all courses.

- Number of Students going to receive Degree in the Convocation :1081
B.Tech -977
BBA -25
BCA -63
MBA -7
MCA -4
M.Tech -5

The Academic Council also suggested / recommended the below mentioned criteria for some of the student's awards-

- Prof. B.B. Ghosh Memorial Award to be given to the students for all round performance of continuing batches.(B.Tech)
- Mrs. Maya Chakraborty Memorial Award, Dr. Sudarshan Chakrabarti Memorial Award, Mr. Birendra Kumar Chakrabarti Memorial Award & Mrs. Bela Chakrabarti Memorial Award to be given to the students for all round performances of ongoing batches (Preferably non-B.Tech).
- Presidential Gold Medal Award to be given for best academic performance among 2019 pass-out students.
- Dr. A.P. Ghatak and Mrs. Meera Ghatak Memorial Awards to be given to the male & female student respectively with all round performances of ongoing batches. (B.Tech)
- Chancellor's Gold Medal, Chancellor's Silver Medal & Chancellor's Bronze Medal Awards to be given to the students of 1st , 2nd & 3rd position holders respectively of 2019 pass-out batch from all departments.

The meeting ended with vote of thanks to the Chair.



Prof. Dr Sajal Dasgupta
Vice Chancellor
UEM Kolkata

**Minutes of the 18th(II/19-20) meeting of the Academic Council of University of
Engineering & Management, Kolkata held on 12th March, 2020**

The following Members were present:

1. Prof. Monojit Mitra, Professor, Dept of Electronics & Communication Engg., IEST, Shibpur
2. Prof. Dilip Kumar Pal, Former Professor & HOD, Dept of Mechanical Engg. & Former Dean (Administration), NIT, Durgapur
3. Dr. Abhijit Dasgupta, Joint Managing Director, M. N. Dastur & Co (P) Ltd
4. Prof. (Dr.) Satyajit Chakrabarti, Chancellor, UEM, Kolkata
5. Prof. (Dr.) Sajal Dasgupta, Vice Chancellor, UEM, Kolkata
6. Prof. (Dr.) Satyajit Chakrabarti, Pro Vice Chancellor, UEM, Kolkata
7. Prof. (Dr.) A. K. Nayak, Principal, IEM, Kolkata
8. Prof. (Dr.) Rajiv Ganguly, Dean (Science), UEM, Kolkata
9. Prof. (Dr.) P. K. Acharya, Dean (Law), UEM, Kolkata
10. Prof. Rajashree Paul, Deputy Dean (Research), UEM Kolkata
11. Prof. (Dr.) N. K. Mondal, Professor & Controller of Exam, UEM, Kolkata
12. Prof. Sukalyan Goswami, Registrar & HOD (CSE) , UEM, Kolkata
13. Prof. (Dr.) Soumen Banerjee, HOD (ECE Dept), UEM, Kolkata
14. Prof. (Dr.) Subhajit Chatterjee, HOD (EEE Dept), UEM, Kolkata
15. Prof. (Dr.) Kartik Sau, HOD (Science & Humanities Dept.) , UEM, Kolkata
16. Prof. (Dr.) Susmita Mukherjee, HOD (BT Dept), UEM, Kolkata
17. Prof. Koustov Mondol, HOD (ME Dept), UEM, Kolkata
18. Prof. Sanjay Bhadra, HOD (EE Dept), UEM, Kolkata
19. Prof. Somnath Hazra, HOD (CE Dept), UEM, Kolkata
20. Mr. Partha Bakshi, Proctor, UEM, Kolkata
21. Prof. Ratan Kr. Basak, HOD (BBA, BCA & MCA Depts), UEM, Kolkata
22. Prof. Subrata Basak, Principal (BBA, BCA, M.Sc), IEM, Kolkata
23. Prof. Dr. K. K. Ghosh, Professor, IEM, Kolkata
24. Prof. Dr. K. P. Ghatak, Dean (Engineering), UEM, Kolkata
25. Prof. Kaustuv Bhattacharjee, HOD (CA Dept), UEM, Kolkata
26. Mr. Su pratik Sinha, Coordinator (General Studies), UEM, Kolkata

The following members could not attend the meeting for various professional and / or personal pre-occupations and were granted leave of absence:

1. Prof. Basudeb Barman, Former Vice Chancellor, Kalyani University
2. Dr. (C omdt.) J.S. Sareen (Retd.), Global Head (HR), Simplex Infrastructures Ltd
3. Mr. T anmoy Chakrabarty, Vice President and Global Head – Government Industry Solutions Unit, Tata Consultancy Services Ltd
4. Prof. Banani Chakrabarti, Pro Vice Chancellor (Finance), UEM, Kolkata
5. Prof. Dr. Biswajoy Chatterjee, Vice Chancellor, UEM, Jaipur
6. Prof. P. K. Mishra, Director (Management), IEM, Kolkata
7. Prof. (Dr.) Ramkrishna Sen, Professor, Biotechnology Dept, IIT Kharagpur

8. Mr. Dipankar Chakrabarti, Executive Director, Advisory Risk Management and Technology Optimization Lead, PricewaterhouseCoopers Pvt. Ltd.
9. Prof. Sundeep Singh Sondhi, HOD (BA Dept), UEM, Kolkata
10. Prof. Dr. Abir Chatterjee, Dean (Research), UEM, Kolkata

The Vice Chancellor of the University welcomed all the members of the Academic Council. Thereafter, the agenda points of the 18th meeting of the Academic Council were taken up for discussion by the Member Secretary.

The Academic Council of UEM, Kolkata took the following resolutions:

Agenda Item No – 18.1

Confirmation of Minutes of 17th (I/19-20) Academic Council Meeting held on 07.11.2019.

The minutes of 17th (I/19-20) Academic Council meeting of the University was circulated to the members in advance. The same is placed in the Council meeting for confirmation. The minutes of the meeting was confirmed by the members.

Agenda Item No – 18.2

Confirmation of Action Taken Report on 17th (I/19-20) Academic Council Meeting held on 07.11.2019.

The agenda wise Action Taken Report on the 17th (I/19-20) meeting of Academic Council of the University was circulated to the members in advance. The same is placed in the Council meeting for confirmation. It was announced that revise marking system is approved by Governing Board and there was no observation received from any member for the rest of the action taken, hence it was confirmed.

Agenda Item No – 18.3

To report on the Seat Matrix for admission in the Academic session 2020-21.

Seat Matrix for admission in the Academic session 2020-21:

Name of the Courses	Applied to AICTE for approved seats on 29 th February, 2020
CSE	300
CST	300
CSIT	120
CSBS (Designed by TCS)	60
CSE (AI & ML)	60

CSE (IOT, Cyber Security & Blockchain)	60
ECE	210
BT	30
EE	30
ME	30
CE	30
MCA	60
MBA	60
Total	1350

The Academic Council recommended the same.

Agenda Item No - 18.4

To approve the extra optional courses, (free of cost for our students, with fees for others) in every semester and innovative forms of teaching learning.

The University proposes to introduce the extra optional course for our students in every semester and innovative forms of teaching learning.

- using online MOOCS,
- Industry certification and foreign certification,
- App based learning English and soft skills,
- App based job placement Training,
- app based foreign language training,
- app based competitive exam training,
- online and app based skill assessment training and pulse check,
- app based health, yoga and meditation training

Member of Academic Council approved the same with a note that these courses may be added as optional or additional courses keeping the actual syllabus intact. And reimbursement will be given to the students who will pass the courses.

Agenda Item No - 18.5

To approve uniform 1st year B.Tech syllabus, being followed from current semester, uniformity maintained with IEM, Kolkata.

B.Tech syllabus for 1st year at UEMK has been marginally modified and being followed from current semester to keep it uniform with IEM, Kolkata. The modified syllabi were recommended by BOS and Faculty Council of Engineering.

The Academic Council recommended the same.

Agenda Item No - 18.6

To report on odd sem result of 2019-20 academic session.

Odd Semester result of 2019-20 is placed in annexure 1.

The member of Academic Council noted the same and said that being two different entity IEM & UEM can form a common body consisting of the faculty of both the Institutes to share knowledge and other relevant information for the benefit of both the organization.

Agenda Item No - 18.7

To report on the creation of an Advanced Robotics & IOT lab.

The Robotics lab is jointly maintained by Department of Computer Science and Engineering, Department of Electronics and Communication Engineering and Dept. of Mechanical Engineering. The amount sanctioned for setting up the Lab was Rs. 1,71,905/- (Sanctioned on 04.03.2019). A part of the required instruments have been procured on 05.08.2019 on the basis of a Purchase Order (PO) amounting to Rs. 36829/- has been spent to procure instruments for project works in Robotics and allied domains. The procured instruments have been utilized in designing Projects/ Models by the students of the University.

A second phase of procurement of necessary equipment has been initiated with an extended budget of Rs. 2.5 lacs in order to enhance and facilitate the students and faculty members to work on Advanced Robotics and IoT based projects. The lab with all infrastructure & equipment will be ready shortly.

Academic Council recommended the same and suggested to bring some external experts to set up such lab to make it more industrial based.

Agenda Item No - 18.8

To report on Award Ceremony on 17th March 2020 and distribution of Degree Certificates to 2019 passed out students.

In the BOG meeting held on 18th Dec, 2019, it was decided to postpone the Convocation 2020.

As there were several requests from our passed out students to hand over the Degree Certificates as asked by their employers, we started to distribute the same from 29th Feb, 2020, when more than 500 students attended ALUMNI MEET in our University on that day and collected their certificates. The Certificates are kept under the custody of respective Heads of the Dept. and students who have not yet collected it are informed to collect it at their convenience in any working day within the office hours.

The member of Academic Council noted the same.

Agenda Item No - 18.9

To report on the 2020 batch placement statistics

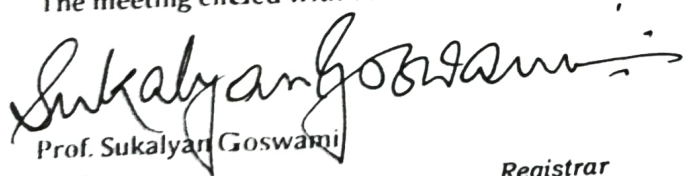
Placement Statistics of UEM, Kolkata 2nd Batch Students (2016 – 2020) is as below-

Eligible Students had Registered for Campus Placement: 764

Total No. of Companies visited the Campus :	56
Number of Job Offered by Corporate till 29th February, 2020 :	1386
No. of Students who have grabbed Single Job Offer each :	556
No. of Students who have grabbed 2 Job Offers each :	257
No. of Students who have grabbed 3 Job Offers each :	79
No. of Students who have grabbed 4 Job Offers each :	16
No. of Students who have grabbed 5 Job Offers each :	3
Average Package :	INR 4 Lakhs per annum
Highest Package :	INR 12 Lakhs per annum
Lowest Package :	INR 3 Lakhs per annum

The member of Academic Council noted the same.

The meeting ended with vote of thanks to the Chair.



Prof. Sukalyan Goswami
Registrar
UEM Kolkata

Registrar
University of Engineering & Management, Kolkata
University Area, Plot No.-III-B/5
New Town Action Area-III, Kolkata-700160



**Minutes of the 19th(III/19-20) meeting of the Academic Council of University of
Engineering & Management, Kolkata held on 14th August, 2020**

The following Members were present:

1. Prof. Basudeb Barman, Former Vice Chancellor, Kalyani University
2. Prof. Monojit Mitra, Professor, Dept of Electronics & Communication Engg., IEST, Shibpur
3. Prof. Dilip Kumar Pal, Former Professor & HOD, Dept of Mechanical Engg. & Former Dean (Administration), NIT, Durgapur
4. Dr. Abhijit Dasgupta, Former Joint Managing Director, M. N. Dastur & Co (P) Ltd
5. Mr. Dipankar Chakrabarti, Executive Director, Advisory Risk Management and Technology Optimization Lead, PricewaterhouseCoopers Pvt. Ltd.
6. Prof. (Dr.) Satyajit Chakrabarti, Chancellor, UEM, Kolkata
7. Prof. (Dr.) Sajal Dasgupta, Vice Chancellor, UEM, Kolkata
8. Prof. Banani Chakrabarti, Pro Vice Chancellor (Finance), UEM, Kolkata
9. Prof. (Dr.) Satyajit Chakrabarti, Pro Vice Chancellor, UEM, Kolkata
10. Prof. (Dr.) A. K. Nayak, Principal, IEM, Kolkata
11. Prof. (Dr.) Rajiv Ganguly, Dean (Science), UEM, Kolkata
12. Prof. Sundeep Singh Sondhi, HOD (BA Dept), UEM, Kolkata
13. Prof. Dr. Abir Chatterjee, Dean (Research), UEM, Kolkata
14. Prof. Rajashree Paul, Deputy Dean (Research), UEM Kolkata
15. Prof. (Dr.) N. K. Mondal, Professor & Controller of Exam, UEM, Kolkata
16. Prof. Sukalyan Goswami, Registrar & HOD (CSE), UEM, Kolkata
17. Prof. (Dr.) Soumen Banerjee, HOD (ECE Dept), UEM, Kolkata
18. Prof. (Dr.) Subhajit Chatterjee, HOD (EEE Dept), UEM, Kolkata
19. Prof. (Dr.) Kartik Sau, HOD (Science & Humanities Dept.), UEM, Kolkata
20. Prof. (Dr.) Susmita Mukherjee, HOD (BT Dept), UEM, Kolkata
21. Prof. Koustov Mondol, HOD (ME Dept), UEM, Kolkata
22. Prof. Sanjay Bhadra, HOD (EE Dept), UEM, Kolkata
23. Prof. Somnath Hazra, HOD (CE Dept), UEM, Kolkata
24. Mr. Partha Bakshi, Proctor, UEM, Kolkata
25. Prof. Ratnan Kr. Basak, Asst. Controller of Examination, UEM, Kolkata
26. Prof. Subrata Basak, Principal (BBA, BCA, M.Sc), IEM, Kolkata
27. Prof. Dr. K. K. Ghosh, Professor, IEM, Kolkata
28. Prof. Dr. K. P. Ghatak, Dean (Engineering), UEM, Kolkata
29. Prof. Kaustuv Bhattacharjee, HOD (CA Dept), UEM, Kolkata
30. Mr. Supratik Sinha, Coordinator (General Studies), UEM, Kolkata

The following members could not attend the meeting for various professional and / or personal pre-occupations and their leave of absence were granted:

1. Dr. (Comdt.) J.S. Sareen (Retd.), Global Head (HR), Simplex Infrastructures Ltd
2. Mr. Tanmoy Chakrabarty, Vice President and Global Head – Government Industry Solutions Unit, Tata Consultancy Services Ltd
3. Prof. Dr. Biswajoy Chatterjee, Vice Chancellor, UEM, Jaipur
4. Prof. P. K. Mishra, Director (Management), IEM, Kolkata
5. Prof. (Dr.) Ramkrishna Sen, Professor, Biotechnology Dept, IIT Kharagpur

The Vice Chancellor of the University welcomed all the members of the Academic Council. Thereafter, the agenda points of the 19th meeting of the Academic Council were taken up for discussion by the Member Secretary.

The Academic Council of UEM, Kolkata took the following resolutions:

- 1. To confirm the minutes of the 18th academic council meeting held on 12th March, 2020.**

The minutes of 18th (II/19-20) Academic Council meeting of the University was circulated to the members in advance. The same is placed in the Council meeting for confirmation. The minutes of the meeting was confirmed by the members.

- 2. To confirm the action taken report of the 18th academic council meeting held on 12th March, 2020.**

The agenda wise Action Taken Report on the 18th (II/19-20) meeting of Academic Council of the University was circulated to the members in advance. The same is placed in the Council meeting for confirmation. As there was no observation received from any member for the action taken, hence it was confirmed.

- 3. To approve and report the even semester results of academic session 2019 - 2020, and subsequent publication of the results.**

Analysis of results was presented to the members of the Academic Council for their views. The Academic Council noted the same and confirmed.

- 4. To approve promotion to few students to 2020-21 academic session, under special consideration, who have year lag in Covid-19 and Amphan super cyclone affected even semester 2019-20 examination, as per the policy of Government of West Bengal.**

After analyzing the whole result it has been observed that about 0.01% students have year lag in the 2019-20 academic session. To comply with the state policy and on the humanitarian ground, to promote these year lag students from the 2019-20 to 2020-21 academic session, it was recommended to conduct a special improvement examinations (online / offline) for their even and odd semesters' backlog papers in the month of November, 2020.

The member of Academic Council also recommended that the special improvement examinations can be done as early as possible for the benefit of both the final year students as well as non-final year students.

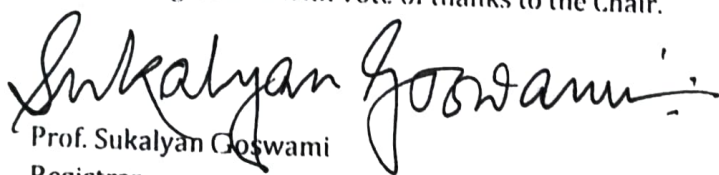
5. To discuss about "New Education Policy".

Roadmap of University of Engineering & Management, Kolkata on National Education Policy was presented to the Academic Council. The member of Academic Council praised the same with the recommendation that University should be the Centre of Excellence. It was recommended that the University should consolidate rather than further expansion as we already have multiple engineering, non-engineering and management courses. Academic Council also recommended that infrastructure for existing streams must be strengthened.

6. Any other matter, with the permission of the Chairperson.

No other matter was placed to the member of Academic Council.

The meeting ended with vote of thanks to the Chair.



Prof. Sukalyan Goswami
Registrar
UEM Kolkata

Registrar
University of Engineering & Management, Kolkata
University Area, Plot No.-III-B/5
New Town Action Area-III, Kolkata-700160



Minutes of the 20th (I/2020-21) meeting of the Academic Council of University of Engineering and Management, Kolkata held on 21st Dec , 2020.

The following Members were present:

1. Prof. Basudeb Barman, Former Vice Chancellor, Kalyani University
2. Prof. Monojit Mitra, Professor, Dept of Electronics & Communication Engg., IITEST, Shibpur
3. Prof. Dilip Kumar Pal, Former Professor & HOD, Dept of Mechanical Engg. & Former Dean (Administration), NIT, Durgapur
4. Dr. Abhijit Dasgupta, Former Joint Managing Director, M. N. Dastur & Co (P) Ltd
5. Mr. Dipankar Chakrabarti, Executive Director, Advisory Risk Management and Technology Optimization Lead ,PricewaterhouseCoopers Pvt. Ltd.
6. Mr. Tanmoy Chakrabarty, Vice President and Global Head – Government Industry Solutions Unit, Tata Consultancy Services Ltd
7. Prof. (Dr.) Satyajit Chakrabarti, Chancellor, UEM, Kolkata
8. Prof. (Dr.) Sajal Dasgupta, Vice Chancellor, UEM, Kolkata
9. Prof. Banani Chakrabarti, Pro Vice Chancellor (Finance), UEM, Kolkata
10. Prof. (Dr.) Satyajit Chakrabarti, Pro Vice Chancellor, UEM, Kolkata
11. Prof. (Dr.) A. K. Nayak, Principal, IEM, Kolkata
12. Prof. (Dr.) Rajiv Ganguly, Dean (Science), UEM, Kolkata
13. Prof. (Dr.) Subrata Chattopadhyaya, Acting HOD (MBA Dept), UEM, Kolkata
14. Prof. Arunava Dalal, Acting HOD (BBA Dept), UEM, Kolkata
15. Prof. Dr. Abir Chatterjee, Dean (Research), UEM, Kolkata
16. Prof. Rajashree Paul, Deputy Dean (Research), UEM Kolkata
17. Prof. (Dr.) N. K. Mondal, Professor & Controller of Exam, UEM, Kolkata
18. Prof. Sukalyan Goswami, Registrar & HOD (CSE) , UEM, Kolkata
19. Prof. (Dr.) Soumen Banerjee, HOD (ECE Dept), UEM, Kolkata
20. Prof. (Dr.) Subhajit Chatterjee, HOD (EEE Dept), UEM, Kolkata
21. Prof. (Dr.) Kartik Sau, HOD (Science & Humanities Dept.) , UEM, Kolkata
22. Prof. (Dr.) Susmita Mukherjee, HOD (BT Dept), UEM, Kolkata
23. Prof. Koustav Mondol, HOD (ME Dept), UEM, Kolkata
24. Prof. Sanjay Bhadra, HOD (EE Dept), UEM, Kolkata
25. Prof. Somnath Hazra, HOD (CE Dept), UEM, Kolkata
26. Mr. Partha Bakshi, Proctor, UEM, Kolkata
27. Prof. Rat an Kr. Basak, Asst. Controller of Examination, UEM, Kolkata
28. Prof. Subrata Basak, Principal (BBA, BCA, M.Sc), IEM, Kolkata
29. Prof. Dr. K. K. Ghosh, Professor, IEM, Kolkata
30. Prof. Dr. K. P. Ghatak, Dean (Engineering), UEM, Kolkata
31. Prof. Koustav Bhattacharjee, HOD (CA Dept), UEM, Kolkata
32. Mr. Supratik Sinha, Coordinator (General Studies), UEM, Kolkata

The following members could not attend the meeting for various professional and / or personal pre- occupations and their leave of absence were granted:

33. Prof. Dr. Biswajoy Chatterjee, Vice Chancellor, UEM, Jaipur
34. Prof. (Dr.) Ramkrishna Sen, Professor, Biotechnology Dept, IIT Kharagpur

The Vice Chancellor of the University welcomed all the members of the Academic Council. Thereafter, the agenda points of the 20th meeting of the Academic Council were taken up for discussion by the Member Secretary.

1. To confirm the minutes of the 19th Academic Council meeting held on 14th August 2020.

The minutes of 19th (III/19-20) Academic Council meeting of the University was circulated to the members in advance. The same is placed in the Council meeting for confirmation. The draft minutes of the meeting was confirmed by the members.

2. To confirm the Action Taken Report on the 19th Academic Council meeting held on 14th August 2020.

The agenda wise Action Taken Report on the 19th (III/19-20) meeting of Academic Council of the University was circulated to the members in advance. As there was no observation received from any member the Action Taken Report, hence it was confirmed.

3. Vice Chancellor's report

The report of Vice Chancellor was presented through PPT. The presentation was appreciated by all the members and they suggested to focus on the students participation in various seminars/conferences etc. and their opportunities as well.

4. To report on the admission status in various courses in the Academic Session 2020-21.

Degree	Course	No. of students
B.Tech	CSE	319
	CST	284
	CS&IT	120
	ECE	88
	EE	23
	ME	7

	BT	34
	CSBS	13
	CS(AI&ML)	71
	CS(IOT)	70
BBA	BBA	128
BCA	BCA	89
BHM	BHM	19
BBA LLB	BBA LLB	33
MBA	MBA	72
MCA	MCA	67
Total		1437

The Members of Academic Council noted the same.

- 5. To report on the teaching - learning process online for new and existing batches of students in the academic session 2020-21.**

The B Tech 1st Year (Odd sem) classes in the new session (2020-21) started from 23rd July 2020. Non B Tech 1st year classes started thereafter. For all 1st year students 21 days induction programme was conducted online. Regular classes conducted through virtual platform after the induction programme was over. Term I practical exam was conducted from 4th Dec to 12th Dec 2020, online. Since 14th Dec, 1st year students appeared for Term I theoretical exam online which would be completed on 24th Dec, 2020. Student's attendance in class and examinations were satisfactory.

The regular online classes (odd sem) for continuing batches started from 6th July, 2020. Term I and Term II online examinations were completed. Entire syllabi have been covered successfully through online platform. Practical /Sessional exam for End sem has been commenced on 4th Dec and completed on 12th Dec 2020 through virtual mode. The end sem Theoretical Exam has been started on 14th Dec and will be completed on 24th Dec, 2020. The examinations are proctored by faculty and conducted in hybrid mode. Students' attendance in examinations were so far very satisfactory.

The Members of Academic Council noted and appreciated the same.

- 6. Exam schedule of new and existing batches of students of odd sem and proposed schedule for even sem in the academic session 2020-21.**

The Exam Schedule of new and existing batches of students of odd sem is presented in Annexure - 1

The proposed schedule for even sem in the academic session 2020-21 is presented in Annexure 2

Academic Council has noted and recommended.

7. To approve the establishment of proposed Medical College under the University.

It is proposed to establish a Medical College as a constituent college and a Hospital as a constituent unit of University of Engineering & Management, Kolkata..

In view of the huge shortage of medical facilities and doctors in our state and the nation as a whole, and in view of the relaxation of land area given to metro cities for establishment of new medical colleges, UEM Kolkata proposes to apply to the Government and also look at private land option of 3 acres land area or more for establishment of a 250 student intake medical college and a 300 bed multispeciality hospital. The investment requirement will be estimated Rs. 250 crores over a period of 5 years. UEM Kolkata will fund the hospital and medical college from project loan and payoff from the income obtained from the Hospital and the Medical College.

Academic Council has appreciated the ambitious step taken by UEMK. The members have suggested to ensure the proper land requirement by negotiating with the Govt. of India and Govt. of West Bengal as Govt. has relaxed the criteria for setting up new medical facilities after Covid-19 pandemic.

8. Any other matter.

Amendment has been done for Research Scholar under the clause 15 sub-section (c), as stated in the Ph.D Regulation of the University. These are as below:

A research scholar shall have -

1. Two SCI Journal and One SCOPUS Conference/ Journal.
2. One SCI / ESCI / SCIE Journal , Three SCOPUS Journal or Two SCOPUS Journal and One SCOPUS Conference

Academic Council noted and recommended the same.

The meeting ended with vote of thanks to the Chair.

Prof. Sukalyan Goswami
Registrar
UEM Kolkata

Registrar
University of Engineering & Management, Kolkata
University Area, Plot No.-III-B/5
New Town Action Area-III, Kolkata-700160



Minutes of the 21st (II/2020-21) meeting of the Academic Council of University of Engineering and Management, Kolkata to be held on 21st April, 2021

The following Members were present:

1. Prof. Basudeb Barman, Former Vice Chancellor, Kalyani University
2. Prof. Monojit Mitra, Professor, Dept of Electronics & Communication Engg., IEST, Shibpur
3. Prof. Dilip Kumar Pal, Former Professor & HOD, Dept of Mechanical Engg. & Former Dean (Administration), NIT, Durgapur
4. Dr. Abhijit Dasgupta, Former Joint Managing Director, M. N. Dastur & Co (P) Ltd
5. Mr. Dipankar Chakrabarti, Executive Director, Advisory Risk Management and Technology Optimization Lead, Price Water House Coopers Pvt. Ltd.
6. Mr. Tanmoy Chakrabarty, Group Government Affairs Officer, Tata Sons Private Limited.
7. Prof. (Dr.) Ramkrishna Sen, HOD, Biotechnology Dept, IIT Kharagpur
8. Prof. (Dr.) Satyajit Chakrabarti, Chancellor, UEM, Kolkata
9. Prof. (Dr.) Sajal Dasgupta, Vice Chancellor, UEM, Kolkata
10. Prof. Banani Chakrabarti, Pro Vice Chancellor (Finance), UEM, Kolkata
11. Prof. (Dr.) Satyajit Chakrabarti, Pro Vice Chancellor, UEM, Kolkata
12. Prof. (Dr.) Rajiv Ganguly, Dean (Science), UEM, Kolkata
13. Prof. Sundeeep Singh Sondhi, HOD (BA Dept), UEM, Kolkata
14. Prof. Dr. Abir Chatterjee, Dean (Research), UEM, Kolkata
15. Prof. Rajashree Paul, Deputy Dean (Research), UEM Kolkata
16. Prof. (Dr.) N. K. Mondal, Professor & Controller of Exam, UEM, Kolkata
17. Prof. Sukalyan Goswami, Registrar & HOD (CSE), UEM, Kolkata
18. Prof. (Dr.) Soumen Banerjee, HOD (ECE Dept), UEM, Kolkata
19. Prof. (Dr.) Subhajit Chatterjee, HOD (EEE Dept), UEM, Kolkata
20. Prof. (Dr.) Kartik Sau, HOD (Science & Humanities Dept.), UEM, Kolkata
21. Prof. (Dr.) Susmita Mukherjee, HOD (BT Dept), UEM, Kolkata
22. Prof. Koustub Mondol, HOD (ME Dept), UEM, Kolkata
23. Prof. Sanjay Bhadra, HOD (EE Dept), UEM, Kolkata
24. Prof. Somnath Hazra, HOD (CE Dept), UEM, Kolkata
25. Mr. Partha Pratim Bakshi, HOD (BHM), UEM, Kolkata
26. Prof. Ratan Kr. Basak, Asst. Controller of Examination, UEM, Kolkata
27. Prof. Subrata Basak, Principal (BBA, BCA, M.Sc), IEM, Kolkata
28. Prof. Dr. K. K. Ghosh, Professor, IEM, Kolkata
29. Prof. Dr. K. P. Ghatak, Dean (Engineering), UEM, Kolkata
30. Prof. Koustub Bhattacharjee, HOD (CA Dept), UEM, Kolkata
31. Mr. Supratik Sinha, HOD (General Studies), UEM, Kolkata

The members who could not attend the meeting for various professional and / or personal pre-occupations, their leave of absence were granted.

The Vice Chancellor of the University welcomed all the members of the Academic Council. Thereafter, the agenda points of the 21st meeting of the Academic Council were taken up for discussion by the Member Secretary.

1. **To confirm the minutes of the 20th Academic Council meeting held on 21st December 2021.**

The minutes of 20th (1/20-21) Academic Council meeting of the University was circulated to the members in advance. As there was no observation received from any member, it was confirmed.

2. **To confirm the Action Taken Report on the 20th Academic Council meeting held on 21st December 2021.**

The agenda wise Action Taken Report on the 20th (1/20-21) meeting of Academic Council of the University was circulated to the members in advance. As there was no observation received from any member, it was confirmed.

3. **Vice Chancellor's report (Significant achievements of the University in the last quarter, i.e. January to March 2021).**

The report of Vice Chancellor was presented through PPT and well appreciated.

4. **To approve the introduction of Integrated PhD Programme from the academic session 2021-22.**

It has been proposed to introduce the Integrated PhD program comprises of 1 year of coursework equivalent to Master degree followed by minimum 3 years of dedicated research towards PhD. There is no provision of early exit from the program.

There are also some amendments proposed in PhD Regulations as follows:

1. Registered Patents will be considered as equivalent to 1 Scopus Journal Publication.
2. Introduction of Integrated PhD Program from the Academic session July 2021-22.

Academic Council noted and recommended the same.

5. **To approve the Special Backlog Exams for final year students in the academic session 2020-21.**

Final year students having backlogs in recently-concluded odd semester and ongoing even semester will not get a chance to clear their backlogs before next academic session, which will eventually delay their completion of course by 1 year.

Academic Council recommended to conduct Special Backlog Exams for final year students in the academic session 2020-21.

6. **To approve the provision of review for the subject 'Skill Development for Professional' (SDP).**

As per University Examination rules students are allowed to review their theoretical papers and not practical/sessional papers. Skill Development for Professionals is a sessional paper.

but is taken in descriptive or MCQ mode which is a kind of a theoretical examination. Thus provision of review will be beneficial for the students.

Academic Council recommended the provision of review for the subject 'Skill Development for Professional' (SDP) and suggested to make the necessary amendments in the Examination Regulations accordingly.

7. To approve promotion of the students who have year lag with a provision to clear the backlog subjects subsequently.

As per the State Government directive last year in Even Semester Examination, all the students were promoted even if they had year lag with a provision to clear their backlog papers subsequently. The pandemic situation is still going on and the normal offline examinations for the students have not yet been restored. Looking at the current situation, if the students are promoted to the next year having year lag with a provision to clear their backlog subjects subsequently, it will be beneficial for them as per the State Govt directive.

Academic Council recommended promoting the students who have year lag with a provision to clear the backlog subjects subsequently with a warning that if they fail to clear the backlog subjects then there will be a year lag.

8. To report on the odd semester results of 2020-21 academic session.

The result of odd semester of 2020-21 is placed in annexure 1.

Academic Council noted the same and recommended to conduct a qualitative analysis for improvement as well as in depth analysis to check whether there is any improvement of students or quality of teaching or not. It was also recommended to perform a comparative analysis for each batch for proper assessment/evaluation.

9. To report on the Courses applied to AICTE for the academic session 2021-22.

Extension of Approval (EOA) for offering Technical Programmes at Under Graduate and Post Graduate Degree Level for the session 2021-22

(A) B. Tech Programme

(a)	Computer Science & Engineering	300 seats
(b)	Computer science and Engineering(Internet Of Things AndCyberSecurityIncludingBlock Chain Technology)	180 seats
(c)	Computer Science & Engineering (Artificial Intelligence & Machine Learning)	180 Seats
(d)	Computer Science And Technology	240 seats
(e)	Computer Science And Information Technology	120 seats
(d)	Electronics And Communications Engineering	120 seats
(e)	Mechanical Engineering	30 seats
(g)	Electrical Engineering	30 seats
(h)	Biotechnology	30 seats

(B) MBA Programme

60 seats

The Academic Council recommends the proposed extensions of approval for the academic session 2021-22.

10. To report on the different subcommittees meeting & Student Chapters activities.

The report on the different subcommittees meeting & Student Chapters activities are presented in Annexure 2.

Academic Council noted the same and appreciated.

11. Any other matter.

The syllabus 2021-2024 (for 2020 admission batch) from 3rd to 8th Semester of Biotechnology course are modified according to the AICTE and same was recommended by BOS & Engineering Faculty Council.

Academic Council noted the same.

The meeting ended with vote of thanks to the Chair.

Prof. Suka Iyan Goswami
Registrar
UEM Kolkata

Registrar
University of Engineering & Management, Kolkata
University Area, Plot No.-III-B/5
New Town Action Area-III, Kolkata-700160



Minutes of the 6th (il/18-19) Meeting of the Internal Quality Assurance Cell of University of Engineering & Management, Kolkata held on 1st March, 2019

The following Members / Special Invitees were present:

1. Prof. (Dr.) Manoj Mitra, Former Dean of Faculty for Engg. & Technology, Jadavpur University
2. Prof. Dr. Sajal Dasgupta, Vice Chancellor, UEM, Kolkata
3. Prof. Dr. Satyajit Chakrabarti, Pro Vice Chancellor, UEM, Kolkata
4. Prof. Dr. Rajiv Ganguly, Dean (Science), UEM, Kolkata
5. Prof. Dr. Abir Chatterjee, Dean (Research), UEM, Kolkata
6. Prof. Rajashree Paul, Deputy Dean (Research), UEM Kolkata
7. Prof. Dr. N. K. Mondal, Professor & Controller of Exam, UEM, Kolkata
8. Prof. Sukalyan Goswami, Registrar & HOD (CSE), UEM, Kolkata
9. Prof. Soumen Banerjee, HOD (ECE Dept), UEM, Kolkata
10. Prof. Kartik Sau, HOD (Science & Humanities Dept.), UEM, Kolkata
11. Prof. Sanjay Bhadra, HOD (EE Dept), UEM, Kolkata
12. Prof. Ratan Kr. Basak, HOD (BBA, BCA & MCA Depts), UEM, Kolkata
13. Prof. Somnath Hazra, HOD (CE Dept), UEM Kolkata
14. Prof. Koustov Mondol, HOD (ME Dept), UEM, Kolkata
15. Prof. Susmita Mukherjee, HOD (BT Dept), UEM, Kolkata

The following members could not attend the meeting for various professional and / or personal preoccupation and were granted leave of absence:

1. Dr. Phalguni Gupta, Director, NITTTR, Kolkata
2. Mr. Somnath Chatterjee, CEO, Webel Technology Limited.
3. Dr. Anup Kumar Sikdar, External Expert
4. Prof. Dr. Biswajoy Chatterjee, Vice Chancellor, UEM, Jaipur
5. Prof. Dr. H.N. Saha, HOD-EEE, IEM, Kolkata
6. Prof. (Dr.) Malay Gangopadhyay, HOD-ECE, IEM, Kolkata
7. Prof. (Dr.) P. K. Acharya, Dean (Law), UEM, Kolkata
8. Prof. Dr. Subhajit Chatterjee, HOD (EEE Dept), UEM, Kolkata
9. Mr. Partha Bakshi, Proctor, UEM, Kolkata

The winners of the TINKERCAD PROJECT and POSTER Competition of ECE Dept were felicitated by Prof. (Dr.) Manoj Mitra, former Dean of Faculty for Engg. & Technology, Jadavpur University.

Thereafter, Deputy Dean (Research) & Director, IQAC welcomed all the members of the Internal Quality Assurance Cell (IQAC). The agenda points of the 6th meeting of IQAC were taken up for discussion.

The Internal Quality Assurance Cell of UEM, Kolkata took the following resolutions:

Agenda Item No - 6.1

Confirmation of Minutes of 5th (I/18-19) IQAC Meeting held on 27.11.2018.

The minutes of the 5th (I/18-19) IQAC meeting was circulated to all the members. As there was no observation received from any member, it was confirmed.

Agenda Item No - 6.2

To read the Action Taken Report of 5th (I/18-19) IQAC Meeting held on 27.11.2018.

The agenda wise Action Taken Report of the 5th (I/18-19) meeting of IQAC was circulated to all the members in advance through mail. Matter arising out of the meeting is :

- Faculty feedback may be taken from those students who regularly attend their classes for proper evaluation of the teachers. IQAC also recommended to analyze if any correlation exists between grades/marks secured by students in a subject and the faculty feedback given by students in that respective subject.
- Setting up new lab assignments which are interdisciplinary in nature.

Agenda Item No - 6.3

Power point presentations to be given by BT and ECE Departments.

As decided in the previous IQAC meeting, Biotechnology Dept. and Electronics & Communication Engineering department prepared presentation in PPT form.

The observations / suggestions of the IQAC experts on the presentation of **BT** department are as follows:

- i. Industrial projects to be focused.
- ii. Internal Project such as DNA testing etc. can be initiated.
- iii. More focus should be given on patenting than publishing across all the departments in the University. Literature review of Patent need to be carried out first thoroughly.
- iv. Training need analysis to be done to identify appropriate FDP for faculty and the same should be documented properly for future reference.

The observations / suggestions of the IQAC experts on the presentation of **ECE** department are as follows:

- i. Projects can be done in collaboration with DRDO in MOU mode.
- ii. Practical work on Patch Antennas, IC fabrication can be done to increase the interest of the students as well as faculties.
- iii. Some unique infrastructure need to be identified at the University campus which will be part of the University logo.
- iv. Summer Internship can be explored in Indian Academy of Science (Bangalore) or in global Universities in Singapore, Malaysia for the students for better exposure.

Agenda Item No - 6.4

To report on the Placement Statistics of 4th year students of the University.

- ***No. of Job offers grabbed by 2019 pass out batch students : 543
(As on 22nd Feb, 2019)***
 - ✓ ***No. of students with 1 job offer : 388***
 - ✓ ***No. of students with 2 job offers : 54***
 - ✓ ***No. of students with 3 job offers : 10***
 - ✓ ***No. of students with 4 job offers : 3***
 - ✓ ***No. of students with 5 job offers : 1***

The IQAC members noted the same and suggested that being a University the primary objective is to encourage the students to pursue further higher studies. Placement is the part of the progression but not the progression itself.

Agenda Item No - 6.5

To report on student's feedback collected both in online and offline mode in February 2019 regarding teacher's performance.

Online feedback has been collected through survey monkey and Offline feedback has been collected from 1st, 2nd, 3rd and 4th year students of all courses in February 2019 regarding teacher's performance. The feedback of students regarding teacher's performance are based on eight different parameters namely class controlling ability, encouraging questions during class, presentation during class, ability to transfer knowledge, adhere to course module, analytical ability, application oriented study and remedial classes. The student's feedback will be analysed and presented in the next IQAC meeting along with comparison with previous analysis.

The IQAC members noted the same.

Agenda Item No -6.6

To report on the industry stake holders feedback collected from all the corporate, recruiting the students of the University.

Industry stake holders feedback is collected from all the corporates, recruiting the students of the University. Almost all corporates have appreciated the infrastructural & developmental opportunities available at the University. They suggested to conduct some more technical as well as non technical workshops (GD, PI session) to improve industry readiness of the students. Most of the corporates agreed that courses delivered at UEM, Kolkata are relevant to industry. They suggested to give more focus on personality development and soft skills.

The IQAC members noted the same.

Agenda Item No - 6.7

To report on standardization of teaching and course material for all courses through use of PPT Template and Workbook for uniform teaching learning experience for all students.

A standard template for teaching in the form of PPT has been developed to ensure uniform teaching learning experience among all students and forwarded to each HOD. PPT slides will be prepared by senior teachers of individual departments in consultation with the HODs. All students will be taught according to the PPT slides.

Student will have a workbook for each subject that will be filled by them on theory part and solve problems during class hours. These will be evaluated under guidance of faculty members. This has already been implemented across all departments.

A copy of workbook was placed herein. The IQAC members noted the same

Agenda Item No - 6.8

To report about new appointment at the University after the 5th (I/18-19) IQAC Meeting held on 27.11.2018 and the resignation during this period.

A. JOINING

Sl. No	Name	Highest Qualification	Designation	Department	D.O.J	D.O.B
1	Dr. Tapas Kumar Dey	Ph.D	Associate Professor	ECE	04.02.2019	03.09.1986
2	Ms. Pooja Koiri	MHM	Asst. Professor	BHM	18.02.2019	19.09.1992
3	Ms. Mouli Paul	M.Lib (Result Awaiting)	Asst. Librarian	Library	18.02.2019	18.08.1994
4	Ms. Rajashree Das	B.Lib, M.Lib (Pursuing)	Asst. Librarian	Library	18.02.2019	17.12.1995
5.	Mr. Dibakar Roy Choudhury	M.Sc	Technical Assistant	BSH	18.02.2019	01.07.1994

B. RESIGNATION

Sl. No	Name	Designation	Dept	Date of Joining	Date of Resignation	Reason
1.	Mr Sayantan Sarkar	Asst Professor	BA	02.04.2018	31.12.2018	For enhanced salary & better career growth
2.	Mr Shuvajit Roy	Asst Professor	ECE	10.07.2018	01.01.2019	Full Time Ph.D at IIT,KGP
3.	Ms. Gouri Kundu	Asst Professor	CSE	27.08.2018	14.02.2019	Full Time Ph.D

Feedback has been collected from each one of them.

- Ms. Shreya Nag, Asst Professor of EEE Dept has been granted study leave of 2 years from 01.01.2019.

The IQAC members noted the same and suggested that exit feedback can be taken from the faculties after 6 months post release from UEM.

Agenda Item No -6.9

To place departmental performance analysis from Dec 2018- Feb 2019.

- a) Publication details
- b) Patent Filed
- c) Faculty Development Programme
- d) Ph.D Status
- e) Research Project Proposals submitted
- f) Conference / Seminars / Workshops organized or attended
- g) Distinguished Lecture Series
- h) Industrial Tours
- i) Competitions
- j) Magazines / Journals
- k) Startups
- l) Awards and appreciations received

The above details are enclosed in Annexure 1

The IQAC members noted the same and advised for the uniformity in number of publications in national and international journal/ conferences across the departments.

The meeting ended with vote of thanks to the Chair.



Prof. Dr Sajal Dasgupta
Vice Chancellor, UEM Kolkata

Minutes of the 7th (III/18-19) Meeting of the Internal Quality Assurance Cell of University of Engineering & Management, Kolkata held on 18th June, 2019

The following Members / Special Invitees were present:

1. Prof. (Dr.) Manoj Mitra, Former Dean of Faculty for Engg. & Technology, Jadavpur University
2. Prof. Dr. Sajal Dasgupta, Vice Chancellor, UEM, Kolkata
3. Prof. Dr. Satyajit Chakrabarti, Pro Vice Chancellor, UEM, Kolkata
4. Prof. Dr. Rajiv Ganguly, Dean (Science), UEM, Kolkata
5. Prof. Dr. Abir Chatterjee, Dean (Research), UEM, Kolkata
6. Prof. Rajashree Paul, Deputy Dean (Research), UEM Kolkata
7. Prof. Dr. N. K. Mondal, Professor & Controller of Exam, UEM, Kolkata
8. Prof. Sukalyan Goswami, Registrar & HOD (CSE) , UEM, Kolkata
9. Prof. Soumen Banerjee, HOD (ECE Dept), UEM, Kolkata
10. Prof. Sanjay Bhadra, HOD (EE Dept), UEM, Kolkata
11. Prof. Somnath Hazra, HOD (CE Dept), UEM Kolkata
12. Prof. Koustov Mondol, HOD (ME Dept), UEM, Kolkata
13. Prof. (Dr.) Susmita Mukherjee, HOD (BT Dept), UEM, Kolkata
14. Prof. (Dr.) P. K. Acharya, Dean (Law), UEM, Kolkata
15. Prof. Dr. Subhajit Chatterjee, HOD (EEE Dept), UEM, Kolkata
16. Mr. Partha Bakshi, Proctor, UEM, Kolkata
17. Prof. Sandeep Singh Sondhi, UEM, Kolkata

The following members could not attend the meeting for various professional and / or personal preoccupation and were granted leave of absence:

1. Dr. Phalguni Gupta, Director, NITTTR, Kolkata
2. Mr. Somnath Chatterjee, CEO, Webel Technology Limited.
3. Dr. Anup Kumar Sikdar, External Expert
4. Prof. Dr. Biswajoy Chatterjee, Vice Chancellor, UEM, Jaipur
5. Prof. Dr. H.N. Saha , HOD-EEE, IEM, Kolkata
6. Prof. (Dr.) Malay Gangopadhyay , HOD-ECE, IEM, Kolkata
7. Prof. (Dr.) Kartik Sau, HOD (Science & Humanities Dept.) , UEM, Kolkata
8. Prof. Ratan Kr. Basak, HOD (BBA, BCA & MCA Depts), UEM, Kolkata

Deputy Dean (Research) & Director, IQAC welcomed all the members of the Internal Quality Assurance Cell (IQAC). The agenda points of the 6th meeting of IQAC were taken up for discussion.

The Internal Quality Assurance Cell of UEM, Kolkata took the following resolutions:

Agenda Item No - 7.1

Confirmation of Minutes of 6th (II/18-19) IQAC Meeting held on 01.03.2019.

The minutes of the 6th (II/18-19) IQAC meeting was circulated to all the members. As there was no observation received from any member, it was confirmed.

Agenda Item No - 7.2

To read the Action Taken Report of 6th (11/18-19) IQAC Meeting held on 01.03.2019.

The agenda wise Action Taken Report of the 6th (11/18-19) meeting of IQAC was circulated to all the members in advance through mail. Matter arising out of the meeting is :

- Question was raised regarding the costing of the new lab and same has been clarified. It was suggested that there should be a road map to be prepared for the new lab and can be accomplished phase wise. May be to start with cycloid motion and basic techniques. Math teacher can teach the basic motion study initially.

Agenda Item No - 7.3

Power point presentations to be given by Electrical Engg. and Business Administration Departments.

As decided in the previous IQAC meeting, Electrical Engg. and Business Administration Departments prepared presentation in PPT form.

The observations / suggestions of the IQAC experts on the presentation of EE and BA department are as follows:

- Few suggestions have been given by Pro VC to improve the PPT presentation
- It was also suggested that input quality trend of students can also be analyzed in BA dept. for quality checking

Agenda Item No - 7.4

To report on the updated Placement Statistics of 4th year students of the University.

- **No. of Corporate visited the University** : **87**
- **No. of Job offers received by 2019 pass out batch students** : **761**
(As on 1st June, 2019)

✓ **No. of students with 1 job offer : 526**

✓ **No. of students with 2 job offers : 85**

✓ **No. of students with 3 job offers : 13**

✓ **No. of students with 4 job offers : 4**

✓ **No. of students with 5 job offers : 2**

The IQAC members noted the same.

Agenda Item No - 7.5

To report on performance on GATE 2019 and various Govt jobs.

The IQAC members noted the same.

Agenda Item No -7.6

To report on student's feedback collected in offline mode in September 2018 and February 2019 regarding teacher's performance.

Offline feedback has been collected from 1st, 2nd and 3rd year students of all courses in September 2018 and February 2019 regarding teacher's performance. The feedback of students regarding teacher's performance are based on seven different parameters namely class controlling ability, encouraging questions during class, presentation during class, ability to transfer knowledge, adhere to course module, analytical ability and application oriented study. HODs have also submitted overall performance grading of faculty members of their respective departments as per grading scale given. The Student's feedback has been communicated to the concerned faculty through respective HODs. The same has been analysed and presented below:

Offline Student feedback collected regarding performance of faculty members						
Feedback collected in the month of	Score out of 10	>9	>8 & <=9	>7 & <=8	>6 & <=7	<=6
February 2019	% of faculty members obtaining the score	11.7	32.4	40.0	11.1	4.8
September 2018	% of faculty members obtaining the score	5.9	37.5	44.1	6.6	5.9
April 2018	% of faculty members obtaining the score	3.1	21.9	42.7	26.0	6.3

The IQAC members noted the gradual improvement of the faculty performance over the given period of time.

Agenda Item No -7.7

To report on Correlation between grades/marks secured by students in a subject and the faculty feedback given by the students in that respective subject.

It was recommended that evaluation of individual teacher with his/her students can be done if possible and then correlation and analysis can be more appropriate. Based on the result redesigning of feedback process can be started if required. It was also suggested that feedback can be done after the semester exam. Need to work on the attributes of feedback form for better result. More data collection and analysis needs to be done.

Agenda Item No - 7.8

Training Need Analysis for Planning of FDP for Faculty.

The IQAC members noted the same and appreciated.

It was recommended to map the departmental activities with TNA/FDP.

Agenda Item No - 7.9

To report on the comprehensive collaboration proposal with DRDO.

The IQAC members noted the same and it was suggested that it needs to be circulated by Dean (Research) to all the faculty members to get the names of the interested faculties so that they can be sent to the lab of DRDO. Dr. Arindam Dasgupta can also be called for a knowledge sharing session so that more faculty members get motivated.

Agenda Item No - 7.10

To report about new appointment at the University after the 6th (11/18-19) IQAC Meeting held on 01.03.2019 and the resignation during this period.

A. JOINING

Sl. No	Name	Highest Qualification	Designation	Department	D.O.J	D.O.B
1	Sangita Dey	B.Sc (H), PG Diploma	Office Executive	Administration	01.03.2019	10.11.1986
2	Indralina Sen	LL.M, Pursuing Ph.D	Assistant Professor	Law	01.04.2019	30.05.1991
3	Abinash Kumar Singh	M.Tech, Pursuing Ph.D	Associate Professor	ECE	10.05.2019	30.05.1986

B. RESIGNATION

Sl. No	Name	Designation	Dept	Date of Joining	Date of Release	Reason
1	Ms. Paramita Sanyal	Executive	Corporate Relations	08.01.2018	03.04.2019	Family issue
2	Dr. Ritima Banerjee	Associate Professor	Bio-Tech	02.07.2018	29.03.2019	Personal issue
3	Ms. Sarmistha Nag	Office Executive	Administration	14.03.2016	29.03.2019	Relocated
4	Ms. Pousali Das	Asst. Prof.	Basic Science & Humanities (Engg)	01.08.2015	31.03.2019	Family issue
5	Ms. Aratrika Mukhopadhyay	Asst. Prof.	Basic Science & Humanities (Chem)	03.09.2018	03.05.2019	Personal issue

Sl. No	Name	Designation	Dept	Date of Joining	Date of Release	Reason
6	Mr. Suman Bhattacharjee	Asst. Prof.	CSE	02.07.2018	31.05.2019	Salary & Career Growth

The IQAC members noted the same. It was suggested/recommended that BA dept. can do a thorough analysis on the attrition rate and come up with a resolution. Exit policy can also be reformed.

Agenda Item No -7.11

To place departmental performance analysis from March 2019- May 2019.

- a) Publication details
- b) Patent Filed
- c) Faculty Development Programme
- d) Ph.D Status
- e) Research Project Proposals submitted
- f) Conference / Seminars / Workshops organized or attended
- g) Distinguished Lecture Series
- h) Industrial Tours
- i) Competitions
- j) Magazines / Journals
- k) Startups
- l) Student Chapter Activities
- m) Awards and appreciations received
- n) New infrastructure / facilities

The IQAC members noted the same and proposed to prepare parameters and weightage to analyze relative trends of departmental performances.

Agenda Item No -7.12

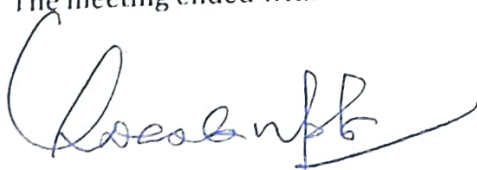
AICTE approval for various courses for the academic year 2019-2020.

The IQAC members noted the same.

Agenda Item No - 7.13

Any other matter

The meeting ended with vote of thanks to the Chair.



Prof. Dr. Sajal Dasgupta
Vice Chancellor, UEM Kolkata

Agenda Note of 8th (I/19-20) Meeting of the Internal Quality Assurance Cell of University of Engineering & Management, Kolkata to be held on 1st November, 2019

Agenda Item No - 8.1

Confirmation of Minutes of 7th (III/18-19) IQAC Meeting held on 18.06.2019.

The minutes of the 7th (III/18-19) IQAC meeting was circulated to all the members.

Agenda Item No - 8.2

To read the Action Taken Report of 7th (III/18-19) IQAC Meeting held on 18.06.2019.

The agenda wise Action Taken Report of the 7th (III/18-19) IQAC meeting was circulated to all the members in advance through mail.

Agenda Item No - 8.3

Power point presentations to be given by the Hotel & Hospitality Management and Computer Application Departments.

As decided in the previous IQAC meeting, the **Hotel & Hospitality Management and Computer Application Departments** prepared presentation in PPT form and will be delivered in the meeting.

Agenda Item No - 8.4

To report on the updated Placement Statistics of present 7th Sem 4th year students of the University.

- | | | |
|--|---|------|
| ➤ No. of Corporate visited the University | : | 34 |
| ➤ No. of Job offers received by 2020 pass out batch students
(As on 30 th September, 2019) | : | 1181 |

- ✓ No. of students with 1 job offer : 454
- ✓ No. of students with 2 job offers : 222
- ✓ No. of students with 3 job offers : 71
- ✓ No. of students with 4 job offers : 15
- ✓ No. of students with 5 job offers : 02

Agenda Item No -8.5

To report on student's feedback collected in offline mode in September 2019 regarding teacher's performance.

Offline feedback has been collected from 1st, 2nd and 3rd year students of all courses in September 2019 regarding teacher's performance. The feedback of students regarding teacher's performance are based on seven different parameters namely class controlling ability, encouraging questions during class, presentation during class, ability to transfer knowledge, adhere to course module, analytical ability and application oriented study. HODs have also submitted overall performance grading of faculty members of their respective departments as per grading scale given. The same has been analysed and presented below alongwith a comparative chart of last three feedback assessments taken periodically:

Offline Student feedback collected regarding performance of faculty members						
Feedback collected in the month of	Score out of 10	>9	>8 & <=9	>7 & <=8	>6 & <=7	<=6
September 2019	% of faculty members obtaining the score	6.6	44.9	38.2	6.6	3.7
February 2019	% of faculty members obtaining the score	11.7	32.4	40.0	11.1	4.8
September 2018	% of faculty members obtaining the score	5.9	37.5	44.1	6.6	5.9

Agenda Item No - 8.6

Mapping of the Departmental activities with training need

As per the Training Need Analysis each dept. has planned for Faculty Development Programme on subject domain and pedagogy faculty wise which was placed in the last IQAC meeting. Dept. has already taken initiative to engage faculty to undergo NPTEL programme as per the TNA and in subject of their interest where they like to enrich knowledge.

Each Dept. is also organizing special lectures by eminent persons from academic and industrial background on the topics identified in TNA.

In order to assess the improvement of the faculty each dept. collect the students feedback periodically and analyze the same and accordingly plan for the next TNA & FDP for the departmental faculty, hence it is continuous process.

Agenda Item No - 8.7

To report on the comprehensive collaboration proposal with DRDO.

A few identified topics for future research project proposals, the outcome of which will benefit various DRDO's ongoing and futuristic programmes were circulated to all the faculty members by Dean (Research) as advised by IQAC. Seven (7) proposals received from the interested faculty which were thoroughly reviewed as per the guidance of Dr. Arindam Dasgupta, Director DRDO and ultimately two short-listed abstract ideas alongwith their research experiences in that field have been forwarded to Dr. Dasgupta at DRDO, Hyderabad Research Lab for consultation with concern scientists. Our faculty may have to give a presentation on their research proposals at DRDO lab shortly.

Agenda Item No -8.8

To report about new appointment at the University after the 7th (III/18-19) IQAC Meeting held on 18.06.2019 and the resignation during this period.

A. JOINING

Sl. No.	Name	Highest Qualification	Designation	Department	D.O.B	D.O.J
1	Ms. Aparajita Roy	M.Sc in Physics	Asst Professor	Basic Science and Humanities (Phys.)	14.11.1994	01.07.2019
2	Mr. Abhishek Chatterjee	M.E.	Asst Professor	ECE	26.04.1995	01.07.2019
3	Mr. Vivek Kumar	M.E.E	Asst Professor	EE	25.10.1995	01.07.2019
4	Ms. Monami Chaudhuri	MA	Asst Professor	Basic Science & Humanities (Eng)	19.11.1989	08.07.2019
5	Mr. Rathla Surya Naik	M.Tech	Asst Professor	EE	21.08.1994	08.07.2019
6	Mr. Ankani Sunil Varma	M.Tech	Asst Professor	ME	02.07.1993	10.07.2019
7	Prof. Sweta Singh	M.Tech	Asst Professor	CSE & CA	03.01.1994	10.07.2019
8	Mr. Avijit Dutta	M.Tech	Asst Professor	CE	31.05.1995	10.07.2019
9	Ms. Aliva Bakshi	M.Sc, M.Tech	Asst Professor	CSE	30.08.1994	10.07.2019
10	Ms. Koushani Sarkar	M.Tech	Asst Professor	CE	26.12.1994	10.07.2019
11	Prof. Namrata Bhattacharya	M.Tech	Asst Professor	CSE	03.08.1993	10.07.2019
12	Mr. Satya Prakash Mishra	M.Tech	Asst Professor	EE	01.03.1994	10.07.2019

13	Mr. Abhishek Tiwari	M.Sc	Asst Professor	Basic Science & Humanities (Math)	29.04.1996	10.07.2019
14	Mr. Sanoj Divakar	M.Tech	Asst Professor	ME	01.06.1995	10.07.2019
15	Ms. Suchandra Bose	MBA	Asst Professor	BA	18.08.1992	11.07.2019
16	Mr. Pankaj Patel	M.Sc	Asst Professor	Basic Science & Humanities (Math)	14.07.1997	15.07.2019
17	Mr. Purnendu Das	M.Tech, Pursuing Ph.D	Asst Professor	ME	12.12.1989	15.07.2019
18	Manas Banerjee	M.P. Ed, Pursuing PhD	Physical Instructor	Basic Science & Humanities (Sports)	30.05.1984	01.08.2019
19	Mr. Kallol Majumdar	BA, Diploma in Hotel Management	Chef & Senior Faculty Member	BHM (Hotel & Hospitality Management)	14.12.1967	01.08.2019
20	Mr. Suman Barman	M.Sc in Hospitality Administration, B.Sc in Hospitality & Hotel Administration	Lecturer & Faculty Member	BHM (Hotel & Hospitality Management)	18.01.1991	01.08.2019
21	Dr. Kuldeep Baishya	PhD in Management, B.Tech (IT)	Asst Professor	BA	01.01.1988	08.08.2019
22	Mr. Sumit Bal	MBA (Finance), B.Com	Sports Instructor	Basic Science & Humanities (Sports)	16.02.1987	19.08.2019
23	Ms. Aparajita Mukherjee	M.Tech	Asst Professor	CSE	28.07.1988	19.08.2019
24	Prof. Sandip Mandal	PhD in Engg. (Thesis submitted), Masters in Engg.,	Associate Professor	CSE	28.03.1988	19.08.2019
25	Mr. Anoy Chowdhury	M.Tech	Asst Professor	CSE	24.12.1980	19.08.2019
26	Ms. Piyali Banerjee	Masters of Human Resource Management, Corporate-Post Graduate Diploma in Business Administration, B.Tech(Bio-Tech),	Asst Professor	BA	20.03.1988	26.08.2019

27	Mr. Sobhan Sarkar	PhD,ME	Associate Professor	ME	22.11.1986	27.08.2019
28	Ms. Rituparna Basak	Masters of Science	Asst Professor	CSE	02.02.1995	28.08.2019
29	Mr. Somnath Banerjee	M.E. (CSE)	Asst Professor	CA	12.05.1973	02.09.2019
30	Dr. Subrata Chattopadhyay	PhD in Management Studies,MBA (Marketing)	Professor	BA	13.04.1975	02.09.2019
31	Ms. Srijani Sikdar	Pursuing distance M.Sc in Tourism, B.Sc (Hotel & Hospitality Management)	Faculty (Food Production & Bakery)	BHM (Hotel & Hospitality Management)	25.07.1990	02.09.2019

B. RESIGNATION

Sl. No.	Name	Designation	Dept	Date of Joining	Date of Release	Reason
1	Mr. Tanumay Manna	Asst. Prof.	ECE	04.09.2018	07.06.2019	Salary & career growth
2	Mr. Chayan Maitra	Asst. Prof.	Basic Science & Humanities (Math)	04.09.2018	05.06.2019	Personal
3	Mr. Ram Krishna Sarkar	Asst. Prof.	Basic Science & Humanities (Phy)	03.07.2017	21.06.2019	Higher studies
4	Mr. Abhishek Sarkar	Asst. Prof.	ECE	10.07.2018	10.11.2019	Higher studies
5	Mr. Soumyendu Banerjee	Asst. Prof.	EE	02.07.2018	01.07.2019	Higher studies
6	Mr. Rajdeep Ghosh	Asst. Prof.	CE	04.09.2018	02.07.2019	Not mentioned
7	Dr. Ajanta Das	Professor	CSE	01.11.2017	31.07.2019	Higher studies
8	Mr. Adama Chatterjee	Asst. Prof.	CE	10.07.2018	02.08.2019	Higher studies
9	Ms. Payal Pramanik	Asst Professor	CSE	01.07.2019	-	Not mentioned
10	Dr. Jayanta Mondal	Associate Professor	CSE	10.07.2018	05.08.2019	Not mentioned
11	Mr Arpan Dey	Asst Professor	Hotel & Hospitality	20.07.2018	30.08.2019	Salary & career growth

12	Mr. Abhishek Roy Choudhury	Asst. Prof.	EE	10.09.2018	-	Left without information
13	Ms. Y. Swati Lakshmi	Asst. Prof.	CE	20.03.2018	03.10.2019	Relocation
14	Mr. Satya Prakash Mishra	Asst Professor	EE	10.07.2019	09.09.2019	Personal

Agenda Item No -8.9

To place departmental performance analysis from June 2019- Sept 2019 and analyze the relative ranking of departmental performance.

- a) Publication details
- b) Patent Filed
- c) Faculty Development Programme
- d) Ph.D Status
- e) Research Project Proposals submitted
- f) Conference / Seminars / Workshops organized or attended
- g) Distinguished Lecture Series
- h) Industrial Tours
- i) Competitions
- j) Magazines / Journals
- k) Startups
- l) Student Chapter Activities
- m) Awards and appreciations received
- n) New infrastructure / facilities

The above details are enclosed in Annexure 1.

The relative ranking of departmental performance is enclosed in Annexure 2.

Agenda Item No -8.10

Analysis on the Attrition Rate, revised Exit Feedback format and a Draft Exit Policy.

- a) The faculty and staff attrition rate semester wise in the academic session 2018'19 has been evaluated by the Business Administration dept. and presented in Annexure 3
- b) Revised exit feedback and the present feedback being followed are placed in Annexure 4
- c) A draft exit policy has been prepared and presented by the business Administration dept. in Annexure 5

Agenda Item No - 8.11

Any other matter

Rajashree Paul

Prof. Rajashree Paul

Director

Internal Quality Assurance Cell

Minutes of the 9th(II/19-20) Meeting of the Internal Quality Assurance Cell of University of Engineering & Management, Kolkata to be held on 5th March, 2020

The following Members / Special Invitees were present:

1. Prof. (Dr.) Manoj Mitra, Former Dean of Faculty for Engg. & Technology, Jadavpur University
2. Dr. Anup Kumar Sikdar, External Expert
3. Prof. (Dr.) Sekhar Bhattacharjee, Former Dean of Engg. & Professor of Calcutta university.
4. Prof. (Dr.) Sajal Dasgupta, Vice Chancellor, UEM, Kolkata
5. Prof. (Dr.) Satyajit Chakrabarti, Pro Vice Chancellor, UEM, Kolkata
6. Prof. (Dr.) Abir Chatterjee, Dean (Research), UEM, Kolkata
7. Prof. Rajashree Paul, Deputy Dean (Research), UEM Kolkata
8. Prof. (Dr.) N. K. Mondal, Professor & Controller of Exam, UEM, Kolkata
9. Prof. Sukalyan Goswami, Registrar & HOD (CSE) , UEM, Kolkata
10. Prof. (Dr.) Soumen Banerjee, HOD (ECE Dept), UEM, Kolkata
11. Prof. (Dr.) Kartik Sau, HOD (Science & Humanities Dept.) , UEM, Kolkata
12. Prof. Ratan Kr. Basak, Assistant Exam Controller, UEM, Kolkata
13. Prof. Sanjay Bhadra, HOD (EE Dept), UEM, Kolkata
14. Prof. Somnath Hazra, HOD (CE Dept), UEM Kolkata
15. Prof. Koustov Mondol, HOD (ME Dept), UEM, Kolkata
16. Prof. (Dr.) Susmita Mukherjee, HOD (BT Dept), UEM, Kolkata
17. Prof. (Dr.) P. K. Acharya, Dean (Law), UEM, Kolkata
18. Prof. (Dr.) Subhajit Chatterjee, HOD (EEE Dept), UEM, Kolkata
19. Mr. Partha Bakshi, Proctor, UEM, Kolkata
20. Prof. Sundeep Singh Sondhi, UEM, Kolkata
21. Prof. (Dr.) Prof. Kaustuv Bhattacharjee, UEM, Kolkata
22. Mr. Supratik Sinha, Coordinator (General Studies), UEM, Kolkata

The following members could not attend the meeting for various professional and / or personal preoccupation and were granted leave of absence:

1. Prof. (Dr.) Biswajoy Chatterjee, Vice Chancellor, UEM, Jaipur
2. Prof. (Dr.) Malay Gangopadhyay, HOD-ECE, IEM, Kolkata

Deputy Dean (Research) & Director, IQAC welcomed all the members of the Internal Quality Assurance Cell (IQAC). The agenda points of the 8th meeting of IQAC were taken up for discussion.

The Internal Quality Assurance Cell of UEM, Kolkata took the following resolutions:

Agenda Item No – 9.1

Confirmation of Minutes of 8th (I/19-20) IQAC Meeting held on 01.11.2019.

The minutes of the 8th (I/19-20) IQAC meeting was circulated to all the members. As there was no observation received from any member, it was confirmed.

Agenda Item No – 9.2

To read the Action Taken Report of 8th (I/19-20) IQAC Meeting held on 01.11.2019.

The Agenda wise Action Taken Report of the 8th (I-19-20) IQAC meeting was circulated to all the members in advance through mail. As there was no observation received from any member, it was confirmed.

Agenda Item No – 9.3

Power point presentations to be given by the Legal Education (Law) Dept.

The Legal Education Dept. (Law) who is offering five years integrated BBA-LLB course prepared presentation in PPT form and delivered in the meeting.

The observations / suggestions of the IQAC experts on the presentation of BBA-LLB Department are as follows:

- The terminology 'Law' should be there in the course name for better understanding of all
- Workshop on 'Right to Information' should be organized for all
- Legal literacy is must for all, keeping this in mind any specialized course may also be introduced

Agenda Item No –9.4

To place departmental performance ranking based on the contributions towards the progress of the dept. from Feb 2019- Jan 2020.

Departmental performance ranking is based on the 10 parameters namely Publication Details, Patent Filed, PhD Status (Enrolment/ Registration/ Awarded), Research Project Proposal Submitted, Awards & Appreciations, FDP, Conference/ Seminar/ Workshop, Distinguished Lecture Series, Industrial Tour, Competitions.

Calculation is being done by linking 6 parameters directly proportional to number of faculties present in a Department; with an expectation that more faculties should ideally lead to more number of contributions and these parameters are:

1. Publication Details
2. Patent Filed
3. PhD Status (Enrolment/ Registration/ Awarded)
4. Research Project Proposal Submitted
5. Awards & Appreciations
6. FDP

And 4 parameters are being held uniform across the departments; with score against a parameter is assigned if a performance is within a pre-defined range and these are:

Parameter Name	# Contributions	Score
Conference/ Seminar/ Workshop	1-2	4
	3-5	7
	>5	10
Distinguished Lecture Series	1-2	4
	3-5	7
	>5	10
Industrial Tour	1-2	4
	3-5	7
	>5	10
Competitions	1-2	6
	>2	10

Based on above assumptions agreed by all the HOD's following inter departmental ranking has been calculated.

Departmental Ranking		
Department Name	Overall performance	Ranking
BioTech	89.83	1
CSE&CA	74.04	2
EE	73.83	3
BA	69.875	4
ECE	52.74	5
ME	52.50	6
BSH	48.54	7
CE	28	8

Departmental Scores	
Department Name	Overall performance
BHM	92.50
LAW	53.25

For BHM dept. 4 attributes were removed i.e Publication details, Patent Filed, Cumulative PhD Status & Research Project Proposal Submitted and 2 attributes were added i.e. Entrepreneurship activity & Industrial Training at the time of calculating the overall performance.

Dept. of Business Administration suggested to replace Patent Filed with Case Studies Publication and to remove Research Project Proposals Submitted as this is not applicable for their dept at the time of calculating overall performance in future.

The IQAC members noted the same and suggested few points which are as below-

- Students performance is not reflecting in the report which is supposed be there in calculating the contribution of a dept.
- Publication of departmental journal is also not added in the attributes but can be considered as an attribute or it can be added as extra point at the time of final calculation
- Targets can also be given based on the score for each attribute and which was also given to them
- Based on the performance and ranking of a department, old attributes can be replaced with new parameters and attributes for continuous growth and improvement
- Area of priorities can also be given to the department based on the performance and scores of each attribute

Agenda Item No -9.5

To report on student feedback form for even semester of academic session 2019'20.

Online feedback has been collected from 1st, 2nd and 3rd year students of all courses in February 2020 regarding teacher's performance. The feedback of students regarding teacher's performance are based on five revised attributes as per the suggestion of IQAC experts namely Ability to clear doubts & encouraging questions during class, Adherence to course module and syllabus coverage, Presentation during class, Ability to motivate innovative and creative work on the subject, Illustration of concepts through examples and application are collected. HODs have also submitted overall performance grading of faculty members of their respective departments as per grading scale given. The same will be analysed and will be presented in next IQAC meeting.

The IQAC members noted the same

Agenda Item No - 9.6

To report about new appointment at the University after the 8th (I/19-20) IQAC Meeting held on 01.11.2019 and the resignation during this period.

A. JOINING

Sl. No	Name	Department	Highest Qualification	Designation	D.O.B	D.O.J
1	SudiptaBasu Pal	CSE	PhD thesis submitted,M.Tech(ECE Communication),B.Tech (IT)	Asst Professor	18.01.1984	06.01.2020
2	Dr. TanayPramanik	Basic Science & Humanities (Chem)	PhD	Professor	05.10.1984	06.01.2020
3	Madhurima Chakraborty	Basic Science & Humanities (Eng)	MPhil (Pursuing),M.A.	Asst Professor	28.02.1995	07.01.2020
4	BiswadebBadyopadhyay	CSE	PMP®,Master of Technology	Asst Professor	05.03.1961	07.01.2020

5	Arpita Das	ECE	PhD (puruing),M.Tech	Asst Professor	18.06.1989	07.01.2020
6	BiswanathSaha	Corporate Relations	MCA	Joint Director (Training & Placement)	24.12.1972	09.01.2020
7	Dr. Smita Datta	BA	PhD thesis submitted (Management),MBA (Finance)	Asst Professor	16.10.1984	13.01.2020
8	Koushik Chatterjee	CA	Pursuing MCA	Teaching Assistant	03.05.1995	14.01.2020
9	Sayan Roy	CE	M.Tech	Asst Professor (Ad-Hoc)	14.12.1995	14.01.2020
10	Jayanti Jha	GS	M.Com	Asst Professor	24.10.1988	14.01.2020
11	Arijit Dey Sarkar	GS	B.Tech	Scientific Officer	22.02.1990	14.01.2020
12	Dr. Ayanita Banerjee	Basic Science & Humanities (Eng)	PhD,B.Ed	Professor	08.04.1974	20.01.2020
13	Rupsa Sen	CA	MCA	Teaching Assistant	12.09.1994	03.02.2020
14	PeanakyMridha	BA	B.Tech, PGDM	Asst Professor	12.06.1970	03.02.2020
15	Joysri Datta	BA	MBA	Asst Professor	29.04.1991	04.02.2020
16	Basundhara Deb	CA	Pursuing MCA	Teaching Assistant	19.03.1996	10.02.2020

B. RESIGNATION

Sl. No.	Name	Designation	Dept	Date of Joining	Date of Release	Reason
1	Mr. Prashant Singh	Deputy Director	Corporate Relations	07.08.2017	31.10.2019	Better opportunity
2	Mr. Sudip Rana	Technical Assistant	Basic Science & Humanities (Phy)	24.07.2017	30.10.2019	Govt. job
3	Prof. Subarna Sen	Asst. Prof.	CSE	10.07.2018	19.12.2019	Personal

4	Niloy Sarkar	Asst. Prof.	BA	21.08.2012	04.11.2019	Better Opportunity
5	Dr. Biswajit Saha	Professor	Basic Science & Humanities (Phy)	03.07.2017	23.12.2019	Govt. job
6	Mr. Ankani Sunil Varma	Asst Professor	Examination Cell	10.07.2019	05.11.2019	Personal
7	Mr. Purnendu Das	Asst Professor	ME	15.07.2019	14.01.2020	For completion of unfinished work of doctoral reasearch
8	Mr. Kallol Majumdar	Chef & Senior Faculty Member	BHM (Hotel & Hospitality Management)	01.08.2019	10.01.2020	Personal
9	Ms. SusmitaSaha	Asst. Prof.	Basic Science & Humanities (Math)	10.07.2018	31.01.2020	Personal
10	Ms. Sreyashi Bhattacharya	Asst. Prof.	Examination Cell	01.08.2017	31.01.2020	Relocate
11	Mr. Rathla Surya Naik	Asst Professor	EE	08.07.2019	31.01.2020	Relocate
12	Mr. Pankaj Patel	Asst Professor	Basic Science & Humanities (Math)	15.07.2019	31.01.2020	Personal
13	Mr. Avijit Dutta	Asst Professor	Examination Cell	10.07.2019	31.01.2020	Higher Studies
14	Shubhabroto Mukherjee	Scientific Officer	GS	03.02.2020	10.02.2020	Personal
15	Riddhima Panda	Asst Professor	BA	07.01.2020	31.01.2020	Better Opportunity
16	Dr. Jadav Chandra Das	Associate Professor	CSE	07.01.2020	27.02.2020	Govt. job

The IQAC members noted the same

Agenda Item No -9.7

To report on NBA Audit

NBA accreditation is mandatory for institutions running technical courses either after six years or after its two batches of students pass out having AICTE approval.

Mandatory accreditation of every institute by 2022 with a minimum score of 2.5 from the National Assessment & Accreditation Council (NAAC) having UGC approval.

NAAC accredits an institute, whereas NBA accredits program/s. If programs are NBA accredited first with good grade, it establishes institute's credibility and a good grade in NAAC becomes easier.

The University of Engineering & Management, Kolkata belong to TIER I Category institution as per the guidelines of NBA. The soft copy of the Self Assessment Report (SAR) for Tier I institute (43 pages) has been circulated to all HODs on 21st Feb, 2020 so that main and sub criteria in Part A, B & C are known to them and they can understand and initiate to fill up the report.

An interactive workshop will be organized to clear all doubts related to the SAR and to help the depts. to prepare SAR correctly.

Internal audit to assess the preparedness of the departments and notional scoring to be commenced.

The IQAC members noted the same and suggested that workshop needs to be arranged to discuss on NBA SAR. It was also said that for NAAC application 2F approval is required from UGC. Geotag for seminars or conference is also must for NAAC application.

Agenda Item No - 9.8

Any other matter

The meeting ended with vote of thanks to the Chair.



Prof. Rajashree Paul
Director, IQAC
UEM K

Minutes of the 10th (III/19-20) Meeting of the Internal Quality Assurance Cell of University of Engineering & Management, Kolkata to be held on 5th August, 2020

The following Members / Special Invitees were present:

1. Prof. (Dr.) Manoj Mitra, Former Dean of Faculty for Engg. & Technology, Jadavpur University
2. Dr. Anup Kumar Sikdar, External Expert
3. Prof. (Dr.) Sekhar Bhattacharjee, Former Dean of Engg. & Professor of Calcutta university.
4. Prof. (Dr.) Sajal Dasgupta, Vice Chancellor, UEM, Kolkata
5. Prof. (Dr.) Abir Chatterjee, Dean (Research), UEM, Kolkata
6. Prof. (Dr.) Rajiv Ganguly, Dean (Science), UEM, Kolkata
7. Prof. Rajashree Paul, Deputy Dean (Research), UEM Kolkata
8. Prof. (Dr.) N. K. Mondal, Professor & Controller of Exam, UEM, Kolkata
9. Prof. Sukalyan Goswami, Registrar & HOD (CSE) , UEM, Kolkata
10. Prof. (Dr.) Soumen Banerjee, HOD (ECE Dept), UEM, Kolkata
11. Prof. (Dr.) Kartik Sau, HOD (Science & Humanities Dept.) , UEM, Kolkata
12. Prof. Ratan Kr. Basak, Assistant Exam Controller, UEM, Kolkata
13. Prof. Sanjay Bhadra, HOD (EE Dept), UEM, Kolkata
14. Prof. Somnath Hazra, HOD (CE Dept), UEM Kolkata
15. Prof. Koustov Mondol, HOD (ME Dept), UEM, Kolkata
16. Prof. (Dr.) Susmita Mukherjee, HOD (BT Dept), UEM, Kolkata
17. Prof. (Dr.) Subhajit Chatterjee, HOD (EEE Dept), UEM, Kolkata
18. Mr. Partha Bakshi, Proctor, UEM, Kolkata
19. Prof. Sundeep Singh Sondhi, HOD (BA Dept.) UEM, Kolkata
20. Prof. Kaustuv Bhattacharjee, HOD (CA Dept.) UEM, Kolkata
21. Mr. Supratik Sinha, Coordinator (General Studies), UEM, Kolkata

The following members could not attend the meeting for various professional and / or personal preoccupation and were granted leave of absence:

1. Prof. (Dr.) Biswajoy Chatterjee, Vice Chancellor, UEM, Jaipur
2. Prof. (Dr.) Malay Gangopadhyay, HOD-ECE, IEM, Kolkata
3. Prof. (Dr.) Satyajit Chakrabarti, Pro Vice Chancellor, UEM, Kolkata

Deputy Dean (Research) & Director, IQAC welcomed all the members of the Internal Quality Assurance Cell (IQAC). The agenda points of the 10th meeting of IQAC were taken up for discussion.

The Internal Quality Assurance Cell of UEM, Kolkata took the following resolutions:

Agenda Item No – 10.1

Confirmation of Minutes of 9th (II/19-20) IQAC Meeting held on 05.03.2020.

The minutes of the 9th (II/19-20) IQAC meeting was circulated to all the members. As there was no observation received from any member, it was confirmed.

Agenda Item No – 10.2

To read the Action Taken Report of 9th (II/19-20) IQAC Meeting held on 05.03.2020.

The Agenda wise Action Taken Report of the 9th (II/19-20) IQAC meeting was circulated to all the members. The member of IQAC suggested that another parameter can be added in departmental relative ranking i.e. students performance where the percentage of gradation in subjects can be considered to calculate the points during departmental evaluation.

Agenda Item No.- 10.3

Extension of Approval of AICTE courses for academic session 2020-21

AICTE has given the extension of Approval of AICTE courses for the academic session 2020-21

As below:

Program	Level	Course	Affiliating Body(University/Body)	Intake Approved for 2019-20	Intake Approved for 2020-21
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	COMPUTER SCIENCE & ENGINEERING	UNIVERSITY OF ENGINEERING & MANAGEMENT	300	300
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	ELECTRONICS & COMMUNICATION ENGINEERING	UNIVERSITY OF ENGINEERING & MANAGEMENT	300	210
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	ELECTRICAL ENGINEERING	UNIVERSITY OF ENGINEERING & MANAGEMENT	60	30
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	MECHANICAL ENGINEERING	UNIVERSITY OF ENGINEERING & MANAGEMENT	60	30

ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	CIVIL ENGINEERING	UNIVERSITY OF ENGINEERING & MANAGEMENT	60	30
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	BIOTECHNOLOGY	UNIVERSITY OF ENGINEERING & MANAGEMENT	30	30
MANAGEMENT	POST GRADUATE	MBA	UNIVERSITY OF ENGINEERING & MANAGEMENT	60	60
MCA	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	UNIVERSITY OF ENGINEERING & MANAGEMENT	60	60
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	COMPUTER SCIENCE AND TECHNOLOGY	UNIVERSITY OF ENGINEERING & MANAGEMENT	300	300
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	COMPUTER SCIENCE AND INFORMATION TECHNOLOGY	UNIVERSITY OF ENGINEERING & MANAGEMENT	120	120
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	COMPUTER SCIENCE AND BUSINESS SYSTEM	UNIVERSITY OF ENGINEERING & MANAGEMENT	0	60
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)	UNIVERSITY OF ENGINEERING & MANAGEMENT	0	60
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING (INTERNET OF THINGS AND CYBER SECURITY INCLUDING BLOCK CHAIN TECHNOLOGY)	UNIVERSITY OF ENGINEERING & MANAGEMENT	0	60

The member of the IQAC noted the same and suggested that the infrastructure to be enhanced for the introduction of new streams. Statutory positions i.e. Chief Librarian, Finance Officer, Controller of Examination and Full time Registrar also need to be filled up as per the applicability to comply with the UGC & AICTE guidelines.

Agenda Item No -10.4

To place departmental performance ranking based on the contribution towards the progress of the dept. from July 2019- June 2020.

As IQAC members suggested Departmental journal is added in the existing attributes along with the other 10 parameters. Departmental performance ranking is prepared based on the 11 parameters for engineering streams namely Publication Details, Patent Filed, PhD Status (Enrolment/ Registration/ Awarded), Research Project Proposal Submitted, Awards & Appreciations, FDP, Conference/ Seminar/ Workshop, Distinguished Lecture Series, Industrial Tour, Competitions & Departmental Magazine. For Business Administration, LAW and BHM dept. the parameters are slightly different. For BHM dept. 4 attributes were removed i.e Publication details, Patent Filed, Cumulative PhD Status & Research Project Proposal Submitted and 2 attributes were added i.e. Entrepreneurship activity & Industrial Training at the time of calculating the overall performance. Dept. of Business Administration replaced Patent Filed with Case Studies Publication and removed Research Project Proposals.

Calculation has been done by linking 5/6/7 parameters directly proportional to number of faculties present in a Department; with an expectation that more faculties should ideally lead to more number of contributions and these parameters are:

1. Publication Details
2. Patent Filed
3. PhD Status (Enrolment/ Registration/ Awarded)
4. Research Project Proposal Submitted
5. Awards & Appreciations
6. FDP
7. Departmental Journal

And 4 parameters are being held uniform across the departments; with score against a parameter is assigned if a performance is within a pre-defined range and these are and this is kept same for all the streams:

Parameter Name	# Contributions	Score
Conference/ Seminar/ Workshop	1-2	4
	3-5	7
	>5	10
Distinguished Lecture Series	1-2	4
	3-5	7
	>5	10
Industrial Tour	1-2	4
	3-5	7
	>5	10
Competitions	1-2	6
	>2	10

Based on above assumptions agreed by all the HOD's following inter departmental ranking has been calculated.

Departmental Performance		
Department Name	Overall performance (Jul'19-Jun'20)	Ranking
BT	79.83	1
CSE	74.44	2
BA	72.91	3
CA	71.44	4
EE	70.80	5
ME	61.70	6
BSH	57.08	7
ECE	55.63	8
CE	44.40	9
EEE	26.67	10

Departmental Scores	
Department Name	Overall performance
BHM	89.50
LAW	68.33

The IQAC members noted the same and asked the department of ECE to come up with a road map and perspective planning in the next meeting.

Agenda Item No -10.5

To report on student feedback for odd semester of academic session 2019'20.

Online feedback has been collected from 1st, 2nd and 3rd year students of all courses in February 2020 regarding teacher's performance. The feedback of students regarding teacher's performance are based on five revised attributes as per the suggestion of IQAC experts namely Ability to clear doubts & encouraging questions during class, Adherence to course module and syllabus coverage, Presentation during class, Ability to motivate innovative and creative work on the subject, Illustration of concepts through examples and application are collected. HODs have also submitted overall performance grading of faculty members of their respective departments as per grading scale given. The same has been analysed and presented.

Feedback collected in the month of	Score out of 10	>9	>8 & <=9	>7 & <=8	>6 & <=7	<=6
March 2020	% of faculty members obtaining the score	11.3	51.9	31.6	4.5	0.7

September 2019	% of faculty members obtaining the score	6.6	44.9	38.2	6.6	3.7
February 2019	% of faculty members obtaining the score	11.7	32.4	40.0	11.1	4.8
September 2018	% of faculty members obtaining the score	5.9	37.5	44.1	6.6	5.9
April 2018	% of faculty members obtaining the score	3.1	21.9	42.7	26.0	6.3

The IQAC members noted the same and recommended to introspect the figure change in Feb & Sep 2019. The members of IQAC also suggested to add some sub attributes to collect the students feedback in due course.

Agenda Item No – 10.6

To report about new appointment at the University after the 9th (II/19-20) IQAC Meeting held on 05.03.2020 and the resignation during this period.

A. JOINING

Sl. No	Name	Department	Highest Qualification	Designation	D.O.B	D.O.J
1	Dr. Lalima Mukherjee	BA	PhD, MBA (HR)	Professor	30.09.1976	06.02.2020
2	Dr. Kamalika Dasgupta	BA	Pursuing PhD	Asst Professor	17.12.1990	06.07.2020

B. RESIGNATION

Sl. No.	Name	Designation	Dept	Date of Joining	Date of Release	Reason
1	Ms. Priyanka Gupta	Asst. Prof.	EEE	03.09.2018	20.03.2020	Relocated

2	Mr. Meghnad Das	Asst. Prof.	GS	09.01.2017	12.03.2020	Personal
3	Dr. Kuldeep Baishya	Asst Professor	BA	08.08.2019	20.05.2020	Relocated
4	Mr. Amitava Chakravarti	Manager	Administration	01.03.2014	13.06.2020	Personal
5	Mr. Vivek Kumar	Asst Professor	EE	01.07.2019	30.06.2020	Personal
6	Biswanath Saha	Joint Director (Training & Placement)	Corporate Relations	09.01.2020	08.07.2020	Personal
7	Dr. Tapas Kumar Dey	Associate Professor	ECE	04.02.2019	12.07.2020	Study in abroad
8	Dr. Shyamali Mukherjee Bhattacharya	Associate Professor	Law	06.08.2018	02.07.2020	Personal
9	Ms. Harita Udaysing Gujar	Asst. Prof.	CE	02.07.2018	31.07.2020	Higher Studies
10	Ms. Lopa Basak	Asst. Prof.	Basic Science & Humanities (Phy)	10.07.2018	24.07.2020	Higher Studies

The IQAC members noted the same

Agenda Item No-10.7

To report on the assessment of online classes, student attendance and completion of syllabus of even semester for the academic year 2019-20.

University of Engineering & Management, Kolkata has successfully completed its final year end semester examination through hybrid online mode in the month of May 2020 during the lockdown period and results were also declared by end of May 2020 as per the schedule. UEM, Kolkata is the only University in the eastern region who completed the teaching-learning, examination evaluation and announcement of result digitally first in this country. All selected students started joining their jobs and higher studies in India and abroad. Examination of non-final year students were also conducted through online mode and the results will be announced shortly.

However in order to monitor the quality of online classes, student attendance and completion of syllabus of even semester for the academic year 2019-20, an IQAC audit was held and the observations were fully satisfactory in nature.

The IQAC members noted the same and suggested to minutely monitor the virtual smart classes. They have also suggested to minimize the screen time in order to protect the students from any health hazards.

Agenda Item No-10.8

To report on UEMK Accolades/Achievements in 2020 till the date.

UEMK has achieved many remarkable accolades and appreciation during this trying time of Covid-19 pandemic and few of them are as below-

1. UEM Kolkata has secured Eastern India Rank 6 in Top Engineering Institute rankings 2020 by Times Group – July 2020
2. Two PhD students of UEM Kolkata completed their PhD Defense Viva on July 31, 2020; thus becoming the first of two graduating PhD students of UEM Kolkata.
3. IEM-UEM group has signed a MOU with Harvard Business School (HBS) for delivering HBS study material, content, programs and courses.
4. Online education and examination taken by UEM, Kolkata has been appreciated officially by Prof. Anil D Sahasrabudhe, Chairman AICTE – April
5. Several Webinars, technical talk sessions, Workshops, HR Congress had been arranged and also being continued at UEM Kolkata using various online platforms during lockdown period. Discussion topics were diversified in nature in various Engineering, Management and Social disciplines.

The members of IQAC noted the same and praised.

Agenda Item No – 10.9

Any other matter

The meeting ended with vote of thanks to the Chair.



Prof. Rajashree Paul
Director, IQAC
UEM K

Minutes of the 11th (I/20-21) Meeting of the Internal Quality Assurance Cell of University of Engineering & Management, Kolkata to be held on 17th December, 2020

The following Members / Special Invitees were present:

1. Prof. (Dr.) Manoj Mitra, Former Dean of Faculty for Engg. & Technology, Jadavpur University
2. Prof. (Dr.) Sekhar Bhattacharjee, Former Dean of Engg. & Professor of Calcutta university.
3. Prof. (Dr.) Sajal Dasgupta, Vice Chancellor, UEM, Kolkata
4. Prof. (Dr.) Satyajit Chakrabarti, Pro Vice Chancellor, UEM, Kolkata
5. Prof. (Dr.) Abir Chatterjee, Dean (Research), UEM, Kolkata
6. Prof. (Dr.) Rajiv Ganguly, Dean (Science), UEM, Kolkata
7. Prof. Rajashree Paul, Deputy Dean (Research), UEM Kolkata
8. Prof. (Dr.) N. K. Mondal, Professor & Controller of Exam, UEM, Kolkata
9. Prof. Sukalyan Goswami, Registrar & HOD (CSE) , UEM, Kolkata
10. Prof. (Dr.) Soumen Banerjee, HOD (ECE Dept), UEM, Kolkata
11. Prof. (Dr.) Kartik Sau, HOD (Science & Humanities Dept.) , UEM, Kolkata
12. Prof. Ratan Kr. Basak, Assistant Exam Controller, UEM, Kolkata
13. Prof. Sanjay Bhadra, HOD (EE Dept), UEM, Kolkata
14. Prof. Somnath Hazra, HOD (CE Dept), UEM Kolkata
15. Prof. Koustov Mondol, HOD (ME Dept), UEM, Kolkata
16. Prof. (Dr.) Susmita Mukherjee, HOD (BT Dept), UEM, Kolkata
17. Prof. (Dr.) Subhajit Chatterjee, HOD (EEE Dept), UEM, Kolkata
18. Mr. Partha Bakshi, Proctor, UEM, Kolkata
19. Dr. Subrata Chattopadhyay, Acting HOD (MBA Dept.) UEM, Kolkata
20. Prof. Arunava Dalal, Acting HOD (BBA Dept.) UEM, Kolkata
21. Prof. Kaustuv Bhattacharjee, HOD (CA Dept.) UEM, Kolkata
22. Mr. Supratik Sinha, Coordinator (General Studies), UEM, Kolkata

The following members could not attend the meeting for various professional and / or personal preoccupations. Their leaves of absence were granted.

1. Prof. (Dr.) Biswajoy Chatterjee, Vice Chancellor, UEM, Jaipur
2. Prof. (Dr.) Malay Gangopadhyay, HOD-ECE, IEM, Kolkata
3. Dr. Anup Kumar Sikdar, External Expert

Deputy Dean (Research) & Director, IQAC welcomed all the members of the Internal Quality Assurance Cell (IQAC). The agenda points of the 11th meeting of IQAC were taken up for discussion.

The Internal Quality Assurance Cell of UEM, Kolkata took the following resolutions:

Agenda Item No – 11.1

Confirmation of Minutes of 10th (III/19-20) IQAC Meeting held on 05.08.2020.

The minutes of the 10th (III/19-20) IQAC meeting was circulated to all the members. As there was no observation received from any member, it was confirmed.

Agenda Item No – 11.2

To read the Action Taken Report of 10th (III/19-20) IQAC Meeting held on 05.08.2020.

The Agenda wise Action Taken Report of the 10th (III/19-20) meeting was circulated to all the members. The members of IQAC suggested to present some reports in the next meeting which are as follows:

- A result analysis report and specially an indepth analysis on the poor results of the students which is about 5-10% of the entire results.
- The feedback on the online classes during this pandemic period and especially from the students located at remote areas so that the analysis on online teaching-learning and examination system can be done thoroughly.
- A statistics of total intake, eligible students, placed & unplaced students of the University.
- Department wise student placement statistics also
- A track of performance of the passed out students as alumni data.

Agenda Item No – 11.3

To present the Roadmap and Perspective Planning of the ECE dept. to improve the Departmental Performance as per the directive of IQAC expert.

The dept. of ECE has prepared the Roadmap and Perspective Planning to improve the Departmental Performance and same was presented to the IQAC members through PPT. It was suggested by the members of the IQAC that tracking of publications need to be continued comparing with the targets set.

Agenda Item No – 11.4

To modify the parameters for departmental performance ranking in relation with NIRF, NAAC & NBA

University desires to include a few important parameters for departmental ranking which are used for NIRF/NBA/NAAC Ranking/Accreditation. The experts opined that the purpose of departmental performance ranking is different which should be continued to elevate departmental performance against set targets. The IQAC experts suggested that a separate dedicated team needs to be formed for NIRF/NBA/NAAC Ranking/Accreditation data which should work with a deadline so that the team come up with the analysis on the deficiency and can start work upon that. Mock audit can also be done once the team is ready with the data for NIRF/NBA/NAAC Ranking/Accreditation. Preparation for accreditation is having different objective altogether.

Agenda Item No – 11.5

To report about new appointment at the University after the 10th (III/19-20) IQAC Meeting held on 05.08.2020 and the resignation during this period.

A. JOINING

Sl. No	Name	Department	Highest Qualification	Designation	D.O.B	D.O.J
1	Ms. Srestha Sadhu	CSE	M.Tech	Asst Professor	29.11.1997	03.08.2020
2	Ms. Sujata Bose	BA	PhD (thesis submitted)	Asst Professor	21.09.1974	03.08.2020
3	Ms. Shneha Bhattacharjee	Placement	PGDM	Corporate Relations Officer	13.01.1990	03.08.2020
4	Mr. Nitish Tewari	PhD Cell	M.Sc	Research Associate	22.08.1996	17.08.2020
5	Ms. Poulami Ghosh	CA	M.Sc	Asst Professor (Trainee)	27.06.1997	24.08.2020
6	Ms. Medhasree Ghosh	CSE	M.Tech	Asst Professor	18.11.1993	01.09.2020
7	Ms. Panchali Datta Choudhury	CSE	PhD (thesis submitted)	Asst Professor	28.08.1987	01.09.2020
8	Dr. Srilekha Mukherjee	CSE	PhD	Asst Professor	03.05.1989	01.09.2020
9	Ms. Suchira Banerjee	CSE	M.Tech	Asst Professor	30.11.1992	01.09.2020
10	Sayan Bhattacharya	GS	M.Tech	Asst Professor	06.11.1995	01.09.2020
11	Abhilash Kumar Baid	CSE	M.Tech	Asst Professor	15.11.1993	09.09.2020
12	Dr. Harshavardhan Singh	GS	PhD	Asst Professor	01.07.1989	01.10.2020
13	Ms. Akanksha Tiwari	GS	M.Tech	Asst Professor	10.04.1994	01.10.2020
14	Mr. Anjan Samanta	Basic Science & Humanities	M.Sc in MATHEMATICS	Asst Professor	31.10.1997	01.10.2020
15	Mr. Amlan Protim Hazarika	GS	Master of Technology	Asst Professor	04.05.1995	01.10.2020
16	Mr. Animesh Bhattacharya	GS	M.Sc	Asst Professor	03.07.1997	19.10.2020
17	Dr. Banashree Sen	Basic Science & Humanities	PhD	Asst Professor	22.06.1990	02.11.2020
18	Dr. Rina Dutta	Basic Science & Humanities	PhD	Associate Professor	18.03.1979	02.11.2020
19	Dr. Rajendrani Mukherjee	CSE	PhD	Associate Professor	30.11.1982	02.11.2020
20	Ms. Kanchan Yadav	Law	LLM	Asst Professor	12.01.1995	02.11.2020

21	Mr. Debargha Dey	BHM (Hotel & Hospitality Management)	Masters in Travel and Tourism Management	Asst Professor	19.11.1992	17.11.2020
22	Mr. Souptik Biswas	BHM (Hotel & Hospitality Management)	MBA	Asst Professor	02.12.1985	17.11.2020
23	Dr. Arpan Maiti	Basic Science & Humanities	PhD, Post Doc	Associate Professor	15.05.1989	17.11.2020
24	Dr. Souvik Ghosh	Basic Science & Humanities	PhD	Associate Professor	15.05.1989	01.12.2020

B. RESIGNATION

Sl. No.	Name	Designation	Dept	Date of Joining	Date of Release	Reason
1	Dr. Paresh Kumar Acharya	Dean (Law)	Law	12.04.2018	31.07.2020	Health issue
2	Ms. Indrani Sanyal	Asst. Prof.	Basic Science & Humanities (Chem)	11.07.2016	14.08.2020	Personal
3	Prof. Satyam Raha	Asst. Prof.	CSE	10.07.2018	21.08.2020	Higher Studies
4	Mr. Arnav Ghosh	Asst. Prof.	Basic Science & Humanities (Math)	10.07.2018	31.08.2020	Higher Studies
5	Ms. Shreyashi Rakshit	Executive Officer	RESEARCH & DEVELOPMENT	03.01.2018	30.09.2020	Personal
6	Mr. Abhishek Chatterjee	Asst Professor	ECE	01.07.2019	30.09.2020	Higher Studies
7	Ms. Aliva Bakshi	Asst Professor	CSE	10.07.2019	30.09.2020	Higher Studies
8	Ms. Koushani Sarkar	Asst Professor	CE	10.07.2019	30.09.2020	Higher Studies
9	Mr. Abhishek Tiwari	Asst Professor	Basic Science & Humanities (Math)	10.07.2019	30.09.2020	Relocation
10	Dr. Chayan Halder	Asst. Prof.	CA	02.04.2018	31.10.2020	Govt. Job

11	Ms. Somrita Sarkar	Asst. Prof.	ECE	10.07.2018	27.11.2020	Higher Studies
12	Mr. Subhajit Pal	Asst. Prof.	Basic Science & Humanities (Math)	02.04.2018	30.11.2020	Higher Studies
13	Prof. Anamika Dey	Asst. Prof.	CSE	10.07.2018	27.11.2020	Higher Studies
14	Ms. Jayanti Jha	Asst Professor	GS	14.01.2020	08.12.2020	Personal

The IQAC members noted the same

Agenda Item No-11.6

To report on the assessment of online classes, student attendance and completion of syllabus of odd semester for the academic year 2020-21.

The B Tech 1st Year (Odd sem) classes in the new session (2020-21) started from 23rd July 2020. Non B Tech 1st year classes started thereafter. For all 1st year students 21 days induction programme was conducted online. Regular classes conducted digitally after the induction programme was over. Term I practical exam was conducted from 4th Dec to 12th Dec 2020, through online platform. Since 14th Dec 1st year students appeared for Term I theoretical exam which will be completed on 24th Dec, 2020. Student's attendance in class and examinations were satisfactory.

The regular online classes (odd sem) for continuing batches started from 6th July, 2020. Term I and Term II online examinations are completed. Entire syllabi have been covered successfully through online platform. Practical /Sessional exam for End sem has been commenced on 4th Dec and completed on 12th Dec 2020 through virtual mode. The end sem theoretical Exam has been started on 14th Dec and will be completed on 24th Dec, 2020. The examinations are proctored by faculty and conducted in hybrid mode. Students' attendance in class and examinations are so far satisfactory.

The IQAC members noted the same and suggested to keep an Agenda on maintaining uniformity and Standard of question paper in next IQAC meeting.

Agenda Item No - 10.9

Any other matter

The meeting ended with vote of thanks to the Chair.



Prof. Rajashree Paul
Director, IQAC
UEM K

Minutes of 12th (II/20-21) Meeting of the Internal Quality Assurance Cell of University of Engineering & Management, Kolkata held on 13th April, 2021

The following Members / Special Invitees were present:

1. Prof. (Dr.) Manoj Mitra, Former Dean of Faculty for Engg. & Technology, Jadavpur University
2. Prof. (Dr.) Sekhar Bhattacharjee, Former Dean of Engg., Calcutta University.
3. Prof. (Dr.) Sajal Dasgupta, Vice Chancellor, UEM, Kolkata
4. Prof. (Dr.) Satyajit Chakrabarti, Pro Vice Chancellor, UEM, Kolkata
5. Prof. (Dr.) Abir Chatterjee, Dean (Research), UEM, Kolkata
6. Prof. (Dr.) Rajiv Ganguly, Dean (Science), UEM, Kolkata
7. Prof. Rajashree Paul, Deputy Director - IQAC, UEM Kolkata
8. Prof. (Dr.) N. K. Mondal, Professor & Controller of Exam, UEM, Kolkata
9. Prof. Sukalyan Goswami, Registrar & HOD (CSE), UEM, Kolkata
10. Prof. (Dr.) Soumen Banerjee, HOD (ECE Dept), UEM, Kolkata
11. Prof. (Dr.) Kartik Sau, HOD (Science & Humanities Dept.), UEM, Kolkata
12. Prof. Ratan Kr. Basak, Assistant Controller of Exam, UEM, Kolkata
13. Prof. Sanjay Bhadra, HOD (EE Dept), UEM, Kolkata
14. Prof. Somnath Hazra, HOD (CE Dept), UEM Kolkata
15. Prof. Koustov Mondol, HOD (ME Dept), UEM, Kolkata
16. Prof. (Dr.) Susmita Mukherjee, HOD (BT Dept), UEM, Kolkata
17. Prof. (Dr.) Subhajit Chatterjee, HOD (EEE Dept), UEM, Kolkata
18. Mr. Partha Partim Bakshi, Proctor & HOD UEM, Kolkata
19. Prof. Sundeep Singh Sondhi, HOD (BA Dept.) UEM, Kolkata
20. Prof. Kaustuv Bhattacharjee, HOD (CA Dept.), UEM, Kolkata
21. Mr. Supratik Sinha, Coordinator (General Studies), UEM, Kolkata
22. Prof. (Dr.) Malay Gangopadhyay, HOD-ECE, IEM, Kolkata

The members who could not attend the meeting for various professional and / or personal preoccupations, the leave of absence were granted to them.

Deputy Dean (Research) & Director, IQAC welcomed all the members of the Internal Quality Assurance Cell (IQAC). The agenda points of the 12th meeting of IQAC were taken up for discussion.

The Internal Quality Assurance Cell of UEM, Kolkata took the following resolutions:

Agenda Item No – 12.1

Confirmation of Minutes of 11th (I/20-21)IQAC Meeting held on 17.12.2020.

The minutes of the 11th (I/20-21) meeting was circulated to all the members. As there was no observation received from any member, it was confirmed.

Agenda Item No – 12.2

To read the Action Taken Report of 11th (I/20-21)IQAC Meeting held on 17.12.2020.

Agenda wise Action Taken Report of the 11th (I/20-21) meeting was circulated to all the members. As there was no observation received from any member, it was confirmed.

Agenda Item No – 12.3

To present the achievements of University of Engineering & Management, Kolkata in last quarter i.e. January to March 2021.

A PPT presentation on achievements of University of Engineering & Management, Kolkata in last quarter i.e., January to March 2021 was presented and well appreciated by the members.

Agenda Item No – 12.4

Power point presentation to be given by the Computer Science & EngineeringDept.

The department of Computer Science & Engineering, in turn, delivered presentation in PPT form.

Few suggestions were made by the members of IQAC and those are as follows-

- Intra departmental comparative data in comparison with other institution under IEM-UEM group like UEMJ or IEM can be done and presented.
- An internal meeting needs to be organized for Scopus journal to check the score which will critically be considered in NIRF, NAAC, NBA or ABET accreditation/ranking in near future.
- The presentation needs to be more indicative considering the uncertainty of future in respect to placement, infrastructure, threats, new technologies etc.

Agenda Item No – 12.5

To place departmental performance ranking based on the contributions towards the progress of the dept. from April 2020- March 2021.

In the previous meeting IQAC experts advised Departmental Performance ranking should include 'percentage gradation in subjects by students ' along with the other 11 parameters.

Accordingly, the score has been calculated department-wise on odd semester 2020 results considering all students belonging to each department. SGPA 5.00 to 10.00 has been divided

into 6 specific sub-ranges and the percentage of students belonging to each sub-range has been multiplied by a pre-defined weightage and then added together. The obtained summation is then scaled out of 10 marks.

Departmental performance ranking is now prepared based on the 12 parameters for engineering streams namely Publication Details, Patent Filed, PhD Status (Enrolment/ Registration/ Awarded), Research Project Proposal Submitted, Awards & Appreciations, FDP, Conference/ Seminar/ Workshop, Distinguished Lecture Series, Industrial Tour, Competitions, Departmental Magazine and percentage gradation in subjects by students. For Business Administration, LAW and BHM dept. the parameters are slightly different. For BHM dept. 4 attributes were removed i.e Publication details, Patent Filed, Cumulative PhD Status & Research Project Proposal Submitted and 2 attributes were added i.e., Entrepreneurship activity & Industrial Training at the time of calculating the overall performance. Dept. of Business Administration replaced Patent Filed with Case Studies Publication and removed Research Project Proposals.

Calculation has been done by linking some parameters directly proportional to number of faculties present in a department; with an expectation that more faculties should ideally lead to a greater number of contributions and these parameters are:

1. Publication Details
2. Patent Filed
3. PhD Status (Enrolment/ Registration/ Awarded)
4. Research Project Proposal Submitted
5. Awards & Appreciations
6. FDP
7. Departmental Journal

And 4 parameters are being held uniform across the departments; with score against a parameter is assigned if a performance is within a pre-defined range and these are kept same for all the streams:

Parameter Name	# Contributions	Score
Conference/ Seminar/ Workshop	1-2	4
	3-5	7
	>5	10
Distinguished Lecture Series	1-2	4
	3-5	7
	>5	10
Industrial Tour	1-2	4
	3-5	7
	>5	10
Competitions	1-2	6
	>2	10

Based on above assumptions inter departmental ranking has been calculated& which is as below.

Departmental Ranking based on contributions from April 2020 to March 2021			
	Department	Contribution (%)	Rank
	CSE	74	1
	CA	73	2
	BT	72	3
	BSH	70	4
	EE	68	5
	ECE	68	6
	BA	60	7
	CE	36	8
	EEE	33	9
	ME	30	10
	BHM	88	
	LAW	38	

The IQAC members noted the same.

Agenda Item No-12.6

Standardization of question paper format for End Sem examination

It has been suggested to make some modification in the existing examination question paper format which are as follows:

A. 'ONLINE' Examination procedure:

Examinations are conducted in Hybrid Mode, i.e., Question paper is provided to each Examinee through Digital Platform, and he/she writes answers physically on paper and uploads the same in said digital platform.

Questions are selected and moderated by eminent academicians of reputed Universities from the Question Banks provided to them or set their own questions.

There are 10 questions with an alternative and each question carries 7/10 marks.

No MCQ type questions are there. Questions are objective type and analytical in nature.

B. 'OFFLINE' Examination procedure (proposed):

'BLOOM'S TAXONOMY' as per AICTE guidelines to be followed for preparing Question Banks and also to prepare Question papers with respect to the following steps/groups of knowledge with proposed marks per question:

1. Remembering – 2 marks
3. Applying- 4 marks.
5. Evaluating – 10 marks and

2. Understanding – 3marks
4. Analyzing –5marks.
6. Creating – 15 marks.

Extensive Orientation trainings of faculty are needed to introduce 'Bloom's Taxonomy' in the question papers. All HODs need to be appraised first. This may be implemented from the Academic session 2021-22.

It was suggested by the IQAC member that there should be a question paper auditing. It was also suggested to have an evaluation process of final marks of each subject to get the indication of standard deviation, if any.

Agenda Item No – 12.7

Reporting items:

- a) **To report about new appointment at the University after the 11th (I/20-21) IQAC Meeting held on 17.12.2020 and the resignation during this period.**

1. Joining

Sl. No	Name	Designation	Department	Highest Qualification	D.O.B	D.O.J
1	Mr. Dyutish Chatterjee	Scientific Officer	GS	B.Tech	11.01.1991	04.01.2021
2	Mr. Pradyumna Kumar Jha	Scientific Officer	GS	B.Tech	27.03.1992	04.01.2021
3	Ms. Vedatrayee Dutta	Asst Professor	Law	LLM	05.12.1992	11.01.2021
4	Dr. Shibaprasad Sen	Professor	CSE	PhD	04.01.1980	01.02.2021
5	Mr. Amrit Raj	Placement Officer	Corporate Relations	PhD Registered, M.Tech	11.02.1991	01.03.2021
6	Dr. ChhandaChakraborti	Professor	BSH	PhD	04.01.1954	08.03.2021
7	Dr. Bablu Chandra das	Associate Professor	Basic Science & Humanities (Maths)	PhD	20.01.1992	15.03.2021
8	Dr. Ruma Roy Chowdhury (Ghosh)	Associate Professor	Basic Science & Humanities (Maths)	PhD	15.06.1977	15.03.2021
9	Dr. Sayantan Sil	Asst Professor	Basic Science & Humanities (Phy)	PhD	30.03.1991	15.03.2021
10	Dr. Roopa Hegde	Associate Professor	ECE	PhD	12.09.1985	15.03.2021
11	Mr. Koushik Chatterjee	Asst Professor	CA	MCA	03.05.1995	15.03.2021

12	Mr. Subrata Maiti	Asst Professor	Basic Science & Humanities (Maths)	M.Sc, yet to submit thesis, pre-thesis vivavoce over	02.05.1989	16.03.2021
13	Mr. Somnath Garai	Asst Professor	EE	M.Tech, pursuing PhD	15.09.1981	16.03.2021
14	Ms. Abhisikta Basu	Asst Professor	Law	LLM, pursuing PhD	16.07.1991	18.03.2021
15	Mr. Arpan Garai	Asst Professor	CSE	M.Tech, PhD thesis submitted	05.12.1988	22.03.2021
16	Ms. Piyali Chandra	Asst professor	CSE	M.Tech	19.09.1991	22.03.2021
17	Mr. Sourav Das	Asst Professor	CA	MCA, M.Tech	17.01.1991	05.04.2021
18	Ms. Sarbani Sarkar	Asst Professor	LAW	LLM	01.10.1989	05.04.2021
19	Dr. Arnab Ghosh	Asst Professor	EE	PhD	28.12.1990	05.04.2021
20	Mr. Amartya Chakraborty	Asst Professor	CSE	M.Tech	03.10.1994	05.04.2021
21	Dr. Siddhartha Dutta	Associate Professor	Bio-Tech	PhD, Post Doc	28.12.1978	05.04.2021
22	Dr. Keya De Mukhopadhyay	Associate Professor	Bio-Tech	PhD, Post Doc	16.02.1973	05.04.2021
23	Mr. Souvik Roy	Associate Professor	Law	LLM, PhD (thesis submitted in 2020)	21.03.1985	05.04.2021
24	Ms. Mehendi Mazumdar	Asst Professor	Law	LLM	01.09.1993	05.04.2021
25	Dr. Arnab Ghosh	Associate Professor	Basic Science & Humanities (Phy)	PhD	10.01.1983	05.04.2021

2. Resignation

Sl. No.	Name	Designation	Dept	Date of Joining	Date of Release	Reason
1	Mr. Arpan Pal	Asst. Prof.	ME	10.07.2018	31.12.2020	Personal
2	Ms. Sweta Banerjee	Asst. Prof.	Basic Science & Humanities (Eng)	27.08.2018	24.12.2020	Family Responsibilities
3	Ms. Medhasree Ghosh	Asst Professor	CSE	01.09.2020	04.01.2021	Higher Studies
4	Prof. Somarpita Dutta	Asst. Prof.	CSE	10.07.2018	08.01.2021	Higher Studies
5	Dr. Banashree Sen	Asst Professor	Basic Science & Humanities	02.11.2020	15.01.2021	Govt. Job

6	Dr. Santosh Chakraborty	Asst. Prof.	Basic Science & Humanities (Phy)	10.09.2018	20.01.2021	Personal
7	Ms. Kanchan Yadav	Asst Professor	Law	02.11.2020	23.01.2021	Higher Studies
8	Ms. Suchira Banerjee	Asst Professor	CSE	01.09.2020	15.01.2021	Higher Studies
9	Ms. Pooja Koiri	Asst Professor	BHM (Hotel & Hospitality Management)	18.02.2019	18.02.2021	Family Responsibilities
10	Mr. Sayan Bhattacharya	Asst Professor	GS	01.09.2020	08.02.2021	Personal
11	Ms. Akanksha Tiwari	Asst Professor	GS	01.10.2020	26.02.2021	Higher Studies
12	Ms. SoumiSaha	Asst. Prof.	ECE	04.09.2018	05.03.2021	Higher Studies
13	Ms.Madhurima Chakraborty	Asst Professor	Basic Science & Humanities (Eng)	07.01.2020	16.03.2021	Higher Studies

The IQAC members noted the same.

b) To report on the analysis of poor results of the students

- The entire analysis has been conducted on approx. 2700 B.Tech students for the academic year 2017, 2018 & 2019. Out of which on an average 8.14% students secured poor marks i.e., D & F grade in mathematics and physics during their first years and 2.41% students had year lag which is very less in numbers. Most of the poor scored students are having results above 70% marks in either or both X & XII standards. Based on the analysis the observations are as follows:

The factors for their underperformance in graduation standard is carefully studied on a case to case basis and a list of most predominant reasons are mentioned below-

- a) Student has enrolled for a course that is not creating interest and motivation .
- b) Medical conditions associated with weak health, chronic or unprecedented illness that easily creates distractions is another factor.
- c) Drift of interest to non-curricular activities caused by social anxiety, peer pressure etc.
- d) The amount of focused effort that a student had put up while studying in school along with the performance pressure that parents have imposed upon them have been somehow revoked while studying in college, this creates a negative effect on the conditioning of the student in college environment.
- e) Break in disciplined lifestyle for students who are staying away from their hometown along with influence from diverse environments at their young adult phase of life changes the lifestyle and expectations.

The above-mentioned points are not exhaustive of the factors that are stated. There are both external and internal influences that often cause unrealistic expectations from the students which affects their optimal performance in their course of study.

- Students who failed or scored the lowest grade in physics and mathematics in their 1st semester and 2nd semester having less than 70% marks in either or both X & XII standards in only 2.45%. These students performed poorly mostly in mathematics.
- There are few students, 0.38% of students who scored very poor SGPA, less than 5.00, in their 3rd semester examination onwards. No such correlation found for this poor result.

The members of IQAC noted the same and suggested to analyze the data by sending the same to the Psychologist of the University and to come up with a suggestion to take next course of action. They have also suggested for an in-house counseling for the students to look after their mental health.

c) To report on faculty performance based on student feedback online during odd semester of academic session 2020-21.

Online feedback has been collected from 1st, 2nd, 3rd & 4th year students of all courses all years in February 2021 regarding teacher's performance during odd semester of 2020-21. The feedback of students regarding teacher's performance are based on nine revised attributes namely-

- Online Course content was useful and interesting,
- The lecture delivered was structured and well organized,
- The learning material was accessible and understandable,
- Adequate instructional tools (PPT, Whiteboard, Pentab etc.) were used to attain the learning objectives,
- The teaching-learning process raised subject interest among students,
- Promoting class participation,
- Extensive exam modules based on study materials covered in assignment and lectures were organized at regular intervals,
- Providing guidance/counseling in academic and non-academic matters in / outside the class hours, Class lectures aided with graphics,
- Animations Audio/visual connection was uninterrupted are collected.

The same has been analyzed and presented.

Feedback collected in the month of	Score out of 10	>9	>8 & ≤9	>7 & ≤8	>6 & ≤7	≤6
February 2021	% Faculty members obtaining the score	12.7	54.0	31.7	1.6	0.0
March 2020	% Faculty members obtaining the score	11.3	51.9	31.6	4.5	0.7

September 2019	% Faculty members obtaining the score	6.6	44.9	38.2	6.6	3.7
February 2019	% Faculty members obtaining the score	11.7	32.4	40.0	11.1	4.8
September 2018	% Faculty members obtaining the score	5.9	37.5	44.1	6.6	5.9
April 2018	% Faculty members obtaining the score	3.1	21.9	42.7	26.0	6.3

It has been observed that the highest score >9 has significantly improved from March 2020 to February 2021. It has also been observed that the lowest scores >6 & ≤7 have also been reduced from last year and none has scored below 6.

The members of IQAC noted the same.

d) To report on Students' feedback online for overall experience on university examination conducted through digital platform and overall experience on e-Learning facility.

A google form was circulated to the students to get the feedback (score: out of 10) on university examination conducted through digital platform and overall experience on e-Learning facility. The same has been analyzed and presented as below:

Overall experience for Online Examination: Usage of Tools (Google meet and Google classroom), support received during examination and paper submission (by Teachers, Invigilators, Examination section)	Overall experience on eLearning facility: Availability of e-Books/Study Material, Journals, Magazines etc. through relevant links provided by Library.
8.43	7.35

The feedback reveals that in both the cases students were satisfied.

The members of IQAC noted the same.

e) To report on statistics of total intake, eligible students, placed & unplaced students. & Department wise student placement

A comprehensive report is under process and will be presented in next IQAC meeting.

The members of IQAC noted the same.

f) To report on the tracking of the passed-out students

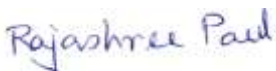
Tracking is being continued for 2019 & 2020 pass out batches. The available records are preserved related to their present occupation, engagement in services, higher education, entrepreneurship activities. All the available records are kept with the respective departments.

The members of IQAC noted the same.

Agenda Item No – 12.8

Any other matter

The meeting ended with vote of thanks to the Chair.



Prof. Rajashree Paul
Director, IQAC
UEM K

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA

DEPARTMENT OF BIOTECHNOLOGY

MINUTES OF 3rd MEETING OF THE BOARD OF STUDIES

HELD ON 18TH May, 2018 AT 01:00 PM

Venue: University of Engineering & Management, Kolkata, University Area, Plot Number III, Kolkata: 700156

Agenda of the Meeting

1. Welcome address to the members of Board of Studies
2. Discussion on proposed changes in the existing syllabus
3. Decision on the proposed changes
4. Discussion on the ensuing 4th year students projects

MINUTES

THE MEETING BEING QUORATE

1. The 3rd Board of Studies meeting of the Department of Biotechnology of University of Engineering & Management, Kolkata was held on 18th of May at University of Engineering & Management Campus. The following members were present:

2. Prof. Susmita Mukherjee, Head of the Department, welcomed all the members and thanked them for being available for attending this meeting.

3. The Head of the Department introduced the BOS members and also mentioned that the primary reasons for the changes in the syllabus of U.G. program were the current requirement of all the stakeholders – students, teachers and the probable employers. She mentioned that the onset of nineties brought about some paradigm shifts. One was in the sphere of market economics. Suddenly the Indian manufacturing sector started jostling for a place with international

competition in the arena. The presence of International products at competitive rates and quality forced some small and medium scale units to close their operations. The larger industry players realized the importance of R&D and accordingly set up separate cells to optimize production and improve quality. The second major impact was in the sphere of knowledge. With the advent of World Wide Web in the early nineties and its subsequent growth, the latest research trends have become accessible from drawing rooms across the globe. This acted as a positive feedback mechanism in increasing the pace of research in all fields including Biotechnology. This was the motivation for an in depth analysis of what is actually required for today's technology. It is also important to take advantage of the freely available software to enhance the quality and quantity of material that can be covered in the class room.

4. Thereafter the Head of the Department introduces Prof.Dr.K.P.Ghatak Dean of Engineering to give the welcome address and to provide the members the importance of Board of Studies in ratifying the syllabus. He stressed on the importance of syllabus designing in shaping the career and future prospects of the students.

THEREAFTER, THE AGENDA WAS TAKEN UP AS UNDER:

Confirmation of the Minutes of the 2nd Meeting of the Board of studies held on 25th October 2017. The Minutes of the 2nd Meeting of the Board of studies were confirmed

ITEM(S) FOR REPORTING AND RATIFICATION:

SI No	Subject with Subject Code	Proposed	Proposed By	Reason for the change	Changes suggested by the Reviewer	Reviewed By & Reviewer's comment
1.	BT-301: Thermodynamics and Kinetics	Module II: Addition of the topics. The Vapour-Compression Cycle, the Choice of Refrigerant,	Dr.Moupriya Nag	The change was done to keep the concepts of Thermodynamics in Module I and it's application in	Dr.Rita Kundu & Dr.sabyasachi Chakraborty	The Reviewers mentioned that the applications of thermodynamics are aptly needed both in academics and industry and thus the

		Absorption, Refrigeration and liquefaction: Low temperature cycle: Linde and Claude.		module II		incorporation was ratified.
2.	BT402:Industrial Microbiology & Fermentation Technology	Module III - Phases of cell growth in batch cultures - Simple unstructured kinetic models for microbial growth: Monod model, growth of filamentous organisms. Growth associated (primary) and non-growth associated	Mr.Dibyajit Lahiri	The fermentation technology deals with the product formation with the microbial growth. Thus the enzyme technology was clubbed in Module IV and growth kinetics of bacteria was included in module III	Dr.Rita Kundu & Dr.Sabyasachi Chakraborty	The Reviewers mentioned that knowledge of bacterial growth in different condition like growth associated product, Non-growth associated product are required at industrial level and thus the change was ratified.
3.	CH-401-Industrial Stoichiometry	Module I - triangular diagram, Graphical differentiation and graphical integration, Treatment and Interpretation of data, Error analysis	Dr.Moupriya Nag	The portions of BT-401 was same as that of the portions of BT-301.	Dr.Rita Kundu & Dr.Sabyasachi Chakraborty	The Reviewers said the repletion in syllabus is not required hence the change was ratified.

		in connection with computation Module II - Material Balance with recycle, bypass and purge streams. (Deleted)				
4	BT-502: Bioinformatics	Module 3- Perl programming with bioinformatics application, Bio-perl. (Deleted) Module 4 - Introduction to energy minimization, QSAR and their relation in drug design. (Deleted)	Dr.Moupriya Nag	Recent programming language like python to be introduced in Computational Biology whereas QSAR, minimization energy to be incorporated in Computational Biology	Dr.Rita Kundu & Dr.Sabyasachi Chakraborty	The Reviewers mentioned that Computational Biology is a new requirement at the industrial level for having dry lab analysis of several wet lab works.
5.	CH-515: Transfer operation –II	Module III - Batch drying and mechanism of batch drying, Principle and operation of a spray drier, Preliminary idea of Crystallization (Deleted)	Mr.Dibyajit Lahiri	The portions were similar with module III of Industrial Stoichiometry.	Dr.Rita Kundu & Dr.Sabyasachi Chakraborty	The reviewers mentioned that to include the principle and application of Crystallization and dryer in BT:401 Industrial Stoichiometry as the knowledge is required for both upstream and downstream processes of industry.
6.	BT-604: : Biophysics of Macromolecules	Module 1- electronic properties of	Dr.Moupriya Nag	The portions were same in	Dr.Rita Kundu & Dr.Sabyasachi	The reviewers commented that the portions to remain in the module only the

		biomolecules – conductivity, photoconductivity and piezoelectric effect(Deleted)		Biochemistry	Chakraborty	confirmation and configuration terms to be removed from module I as that is being done in other modules.They advocated that this knowledge is required to explore in the Research field and in Industries.
7.	BT-701: Bioreactor Design and Analysis	Module I: Basic Principles: Module II: Reactor Design: Module III: Analysis of Non-ideal Reactor Analysis: Module IV: Unconventional bioreactors:	Mr.Dibyajit Lahiri	This was proposed based on the requirement of knowledge of Bioreactors,principle and functions	Dr.Rita Kundu & Dr.Sabyasachi Chakraborty	The reviewers mentioned that the syllabus framing was systematic.Dr.Chakraborty mentioned that is systematic knowledge is required at industry level for various processing of substances.Thus the change was ratified.
6.	BT-702: Animal Cell Culture & Animal Biotechnology	Module I: (Modification)	Dr.Biswadeep Chaudhuri	Some excess portions from the syllabus was removed.	Dr.Rita Kundu & Dr.Sabyasachi Chakraborty	The reviewers mentioned that the concept of cryopreservation to be incorporated in the module.
7.	BT-704: Proteomics & Protein Engineering	Module II- Proteomics Module IV– (Modified)	Dr.Moupriya Nag	Module II:the portion of genomics was removed as they have already done in Genetics. Module III: It was	Dr.Rita Kundu & Dr.Sabyasachi Chakraborty	The reviewers commented that application of proteomics such as designing a chimeric protein should be introduced in module I as it has a wide application in industry.They

				<p>proposed that some biophysical characterization of protein structure to be removed.</p> <p>Module IV: there were some repetitions</p>		<p>also mentioned that there shouldn't be any change in Module III as the knowledge on Biophysical characterization is important for Research and Industry. The change in module IV was ratified.</p>
8.	CHE-701A: Pharmaceutical Biotechnology	<p>The existing paper of process instrumentation and control was changed to medical and pharmaceutical biotechnology with the syllabus being approved by the external experts along with suggestions for incorporation of certain topics being currently in application in the pharmaceutical industry</p>	Dr.Sonali Paul	<p>The proposition was done that the compulsory elective will provide the students knowledge on the application of Biotechnology in Pharmaceutical Industry that will help them to work efficiently at industrial level.</p>	Dr.Rita Kundu & Dr.Sabyasachi Chakraborty	<p>The reviewers appreciated the decision and change was ratified.</p>
9.	BT-791: Bioprocess Engineering Lab	<p>The name of the subject was changed from Bioreactor Design Lab to Bioprocess Engineering Lab</p>	Dr.Moupriya Nag & Mr.Dibyajit Lahiri	<p>The proposition was done to provide the hands on training on several bioprocesses so that they can</p>	Dr.Rita Kundu & Dr.Sabyasachi Chakraborty	<p>The reviewers appreciated the decision and change was ratified.</p>

				utilize that knowledge at the industrial level.		
10	CHE-783: Pharmaceutical Biotechnology Lab	Process Instrumentation & Control Lab to Pharmaceutical Biotechnology Lab	Dr. Pratik Talukder	The proposition was done to provide the knowledge on drug production and checking the parameters used for the production of drugs.	Dr.Rita Kundu & Dr.Sabyasachi Chakraborty	Dr.Kundu and Dr.Chakraborty mentioned that to remove some synthesis and include an experiment to determine the physical parameters that deals with the durability of the drugs.
11.	BT-795: Computational Biology Lab	Introduction of this subject in place of Presentation on Industrial Training	Mr.Dibyajit Lahiri	The proposition was made as the students will get time for Industrial Training in the month of December.On the other hand the knowledge of computational Biotechnology is necessary at the industrial level.	Dr.Rita Kundu & Dr.Sabyasachi Chakraborty	The reviewers appreciated the decision and change was ratified.
12	BT-801: Downstream Processing	Medical and Pharmaceutical Biotechnology to Downstream Processing	Dr.Biswadeep Chaudhuri &Mr.Dibyajit Lahiri	The proposition was done as the Pharmaceutical & Mewdical Biotechnology was	Dr.Rita Kundu & Dr.Sabyasachi Chakraborty	The reviewers appreciated the decision and mentioned the importance of downstream process at industrial level and change was ratified.

				brought to & VII semester.		
13.	BT-895: Industrial Project/Training(Report Poster Presentation & Viva Voce)	Addition of this subject in 8 th Semester	Prof.Susmita Mukherjee	The proposition was made as the students will get time for Industrial Training in the month of December.	Dr.Rita Kundu & Dr.Sabyasachi Chakraborty	The reviewers appreciated the decision and change was ratified.

Discussion on the ensuing 4th year students projects:

Prof Susmita Mukherjee requested the external members of the Board of studies to take some of our would be 4th year students under their guidance for Project work.

The Meeting concluded with the vote of thanks by Head of the Department Prof.Susmita Mukherjee.

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA

DEPARTMENT OF BIOTECHNOLOGY

MINUTES OF 4th MEETING OF THE BOARD OF STUDIES

HELD ON 3rd December , 2018 AT 03:00 PM

Venue: University of Engineering & Management, Kolkata, University Area ,Plot Number III, Kolkata:700156

Agenda of the Meeting

1. Welcome address to the members of Board of Studies
2. Discussion on proposed changes in the existing syllabus for 4th Year
3. Decision on the proposed changes

MINUTES

1. Prof.Susmita Mukherjee, Head of the Department, welcomed all the members and thanked them for being available for attending this meeting.
2. The Head of the Department introduced the BOS members and also mentioned that the primary reasons for the changes in the syllabus for 4th Year 8th Semester U.G. program were the current requirement of all the stakeholders – students, teachers and the probable employers. The purpose of the meeting was to find similar course material to be available at NPTEL. The curriculum to be ratified so that the students getting placed won't have problem to attend regular classes and they can judge their performance at National Level .

THEREAFTER, THE AGENDA WAS TAKEN UP AS UNDER:

Confirmation of the Minutes of the 4th Meeting of the Board of studies held on 18th May 2018. The Minutes of the 3rd Meeting of the Board of studies were confirmed

ITEM(S) FOR REPORTING AND RATIFICATION:

Sl No	Subject with Subject Code	Proposed	Proposed By	Reason for the change(Gap)	Reviewed By	Reviewer's comment
1.	HU(BT) 801: Bioethics, Biosafety, IPR & Entrepreneurship in Biotechnology	Patent law for Engineers and Scientists as at NPTEL	Prof.Susmita Mukherjee	The change was done to keep proximity between the students taking online classes at NPTEL and the students doing regular classes at University.	Dr.Rita Kundu & Dr.Sabyasachi Chakraborty	The Reviewers mentioned that the concept of Bioethics to be included within BT601 Recombinant DNA technology within Module IV and thus the incorporation was ratified.
2.	BT801: Downstream Processing	Principles of Downstream techniques in Bioprocess	Prof.Susmita Mukherjee	The change was done to keep proximity between the students taking online classes at NPTEL and the students doing regular classes at University.	Dr.Rita Kundu & Dr.Sabyasachi Chakraborty	The Reviewers ratified the change.
3.	BT802:Elective BT 802A: 802A: Renewable Energy	Waste to Energy Conversion	Prof.Susmita Mukherjee	The change was done to keep proximity between the students taking	Dr.Rita Kundu & Dr.Sabyasachi	The Reviewers ratified the change.

	Technology 802B: Tissue Engineering	Cell Culture Technologies.		online classes at NPTEL and the students doing regular classes at University.	Chakraborty	
	802C: Biomedical Engineering	Medical Biomaterials				
4	BT-891 Design Lab /Industrial problem/ Industrial related training	The practical subject was designed on the basis of Research based Topics that would enhance the applicability of their learning from previous semester and instrumentation usage. It was also discussed that students joining companies to submit their work area duly authorized by suitable authority that would be taken as equivalent to the lab work	Prof.Susmita Mukherjee	The change was done to keep proximity between the students working at Lab and the students those who have joined company.	Dr.Rita Kundu & Dr.Sabyasachi Chakraborty	The Reviewers ratified the change.
5.	BT-895 Industrial Project/Training(Report Poster	It was proposed that 4 th year students to give up posters on their 4 th year project	Prof.Susmita Mukherjee		Dr.Rita Kundu & Dr.Sabyasachi	The Reviewers ratified the change.

	Presentation & Viva Voce)	topic.			Chakraborty	
--	--------------------------------------	--------	--	--	-------------	--

The topics of Each Newly added Topics (Following NPTEL Curriculum from January to April) :

HU(BT):801 Patent law for Engineers and Scientists

Week I: Introduction to the Indian Patent System

Patent Laws as Concepts; Understanding the Patents Act, 1970; Understanding the Patents Rules, 2003; Preliminary Sections; Preliminary Rules; What's New in the Patents (Amendment) Rules, 2016; Easy way to read the Patents Act and Rules

Week II: Patentability of Inventions

Statutory Exceptions to Patentability; Novelty and Anticipation; Inventive Step; Capable of Industrial Application; Person Skilled in the Art

Week III: Patent Specification

Provisional and Complete Specifications; Structure of a Patent Specification—Title, Abstract, Description, Claims, etc.; Reading a Patent Specification—Fair basis, Enabling Disclosure, Definiteness, Priority; Introduction to Patent Drafting.

Week IV: Patent Prosecution: Patent Applications

Patent Application—Who Can Apply, True and First Inventor, How to Make a Patent Application, What to include in a Patent Application, Types of Patent Applications, Patents of Addition, Dating of Application

Week V: Patent Prosecution: Publication and Examination - I

Publication of Application; Request for Examination; Examination of Application—First Examination Report

Week VI: Patent Prosecution: Publication and Examination – II

Expedited Examination of Application; Search for Anticipation—Procedure, Withdrawal of Application; Consideration of Report of Examiner

Week VII: Patent Prosecution: Powers of Controller

Powers of Controller—Examination Stage, Consideration of report by examiner, Refuse or Amend Applications, Division of Applications, Dating of Application, Anticipation, Potential Infringement; Putting Applications in Order; Amendments during Prosecution

Week VIII: Patent Prosecution: Opposition

Pre-grant opposition; Post-grant opposition; Wrongful obtaining of invention; Mention of Inventor; Opposition in General.

Week IX: Patent Prosecution: Practice at the Patent Office- I

Secrecy Provisions; Grant of Patents; Rights Conferred by Grant; Rights of Co-Owners; Term of Patent; Restoration of Lapsed Patents;

Week X: Patent Office and Patent Prosecution

Surrender; Revocation—Grounds for Revocation; Register of Patents, Patent Office and its Establishment; Patent Agents; Use and Acquisition by Government; Penalties.

Week XI: Compulsory Licensing

Compulsory Licensing—Working of Patents, Grounds for Grant of Compulsory License, Revocation; Patent Licensing

Week XII: Patent Enforcement, International Arrangements and Other Miscellaneous Provisions

Intellectual Property Appellate Board; Declaratory Suits, Infringement Suits; International Application—Convention Application, PCT Application, Application Designating India, Multiple Priorities; PCT Timeline; Fees—Application, In Relation to Grant of Patents; Timelines—Application, Examination, Publication etc

BT801 Principles of Downstream techniques in bioprocess

Week I: Introduction,Mass balance, Heat Balance, flow sheet Costing,Cell Breakage

Week II: Solid Liquid Separation,Pre-treatment and Filters/centrifuge,Liquid-Liquid Extraction,Liquid-Liquid extraction (continued)

Week III: Adsorption,Reversed micellar and aqueous two phase extraction,Membranes,Membranes (continued)

Week IV: Precipitation and crystallization,Product stabilization, drying, Lyophilisation,Electrophoresis / SDS

PAGE,Chromatography, Chromatography (continued),Chromatography (continued),Chromatography (continued),Future trends, Other downstream operations/Summary of the course.

BT802A: Waste to Energy Conversion.

- Week 1 - Introduction, characterization of wastes.**
- Week 2 - Energy production from wastes through incineration, energy production through gasification of wastes.**
- Week 3 - Energy production through pyrolysis and gasification of wastes, syngas utilization.**
- Week 4 - Densification of solids, efficiency improvement of power plant and energy production from waste plastics.**
- Week 5 - Energy production from waste plastics, gas cleanup.**
- Week 6 - Energy production from organic wastes through anaerobic digestion and fermentation, introduction to microbial fuel cells.**
- Week 7 - Energy production from wastes through fermentation and transesterification.**
- Week 8 - Cultivation of algal biomass from wastewater and energy production from algae.**

BT802B: Cell Culture Technologies.

- Week 1: Introduction & biology of cultured cells**
- Week 2: Equipments, aseptic techniques, safety protocols**
- Week 3: Culture vessels & media development**
- Week 4: Serum-free medium development & sterilization**
- Week 5: Primary culture, secondary culture, cloning & selection**
- Week 6: Cell separation, characterization, differentiation & transformation**
- Week 7: Contamination, cryo-preservation & cyto-toxicity**
- Week 8: Organo-typic culture & specialized cell culture techniques**

BT802C: Biomedical Engineering to Medical Biomaterials.

Week 1:Introduction to Biomaterial; Background history

History

Properties (Mechanical and Physico-chemical)

Properties (Mechanical and Physico-chemical)

Week 2:Mechanical properties

Mechanical properties

Resorbability, biodegradation

Resorbability, biodegradation

Biofilm

Week 3:Biofilm

Material characterization - Analytical instruments

Analytical instruments

Week 4:Analytical instruments

Analytical instruments

Biological responses, compatibility, cytotoxicity

Proteins, Tissue and blood Response

Cell-biomaterial interaction

Week 5:Animal trials (in vivo)

Animal trials

Metals-types, classifications, applications

Metals - properties

Metals - properties

Week 6: Metals - properties

Metals

Polymers-types, classifications, applications

Polymers

Week 7: Blends/composites

Biopolymers
Hydrogels
Preparation of different morphologies (with experiments)
Surface modifications (with experiments)

Week 8: Ceramics

Drug delivery systems/encapsulation
Biomaterials for cardiovascular/pulmonary/ophthalmological applications
Biomaterials for urinary/dental/skin applications
Sterilization of implants, device failures, unique issues, conclusion

BT-891 Design Lab /Industrial problem/ Industrial related training

The member BOS provided some topics on which this Lab can be conducted along with the existing topic thought by the Department

- Polyhydroxy alcomate
- Biofuel formation by Algae

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA

DEPARTMENT OF BIOTECHNOLOGY

MINUTES OF 5th MEETING OF THE BOARD OF STUDIES

HELD ON 13th May , 2019 AT 03:00 PM

Venue: University of Engineering & Management, Kolkata, University Area ,Plot Number III, Kolkata: 700156

Agenda of the Meeting

1. In the context of AICTE approval for the change in subject code & layout of the syllabus
2. Change in credit allotment in each subject & the total credit allotment in 4 years.
3. Change in detailed syllabus of few subjects.
4. Introduction of new subject in the place of the existing subject Transfer Operation II
5. Anything arises with permission of the Chair.

MINUTES

THE MEETING BEING QUORATE

1. Prof.Dr. Susmita Mukherjee, Head of the Department, welcomed all the members and thanked them for being available for attending this meeting.
2. The Head of the Department introduced the BOS members and also mentioned that the primary reasons for the changes in the syllabus which is in accordance to the AICTE mandate. In accordance to AICTE the students would take course of 160 credit points along with that 20 points from MOOC. This 20 credits are distributed from 1st to 8th semesters. Thus the students would be pursuing B.Tech honours. The ratification of syllabus would be done for 3rd & 4th semester. Among the total credits, 24 credit points has been assigned for the skill development of the students especially for developing the students for various competitive exams. The Mandatory course is non-credit course but the students need to earn the marks. Since the credit point is distributed from

1st semester to 8th semester which also comprised of various non-departmental subjects that why the credit points for the core subjects needs to be altered so that the credit points need to be altered.

THEREAFTER, THE AGENDA WAS TAKEN UP AS UNDER:

Confirmation of the Minutes of the 4th Meeting of the Board of studies held on 18th May 2018. The Minutes of the 3rd Meeting of the Board of studies were confirmed

ITEM(S) FOR REPORTING AND RATIFICATION:

Sl No	Subject with Subject Code	Proposed	Proposed By	Reason for the change(Gap)	Reviewed By	Reviewer's comment
1.	CH(BT)402 Transfer Operation I	To combine Transfer Operation I(CH(BT)402) and Transfer Operation II (CH(BT)502) to form a merged subject named Transfer Operation CH(BT)402	Dr. Moupriya Nag	The change was done to combine the concepts of the two subjects into one so that the concepts are present in a single subject.	Dr.Rita Kundu & Dr.Sabyasachi Chakraborty	The change was ratified
2.	CH(BT)502 Transfer	Developmental	Dr. Pratik	The change was done to keep	Dr.Rita Kundu &	The Experts mentioned about the pre-requisites

	Operation II	Biology	Talukder	proximity between the students studying at National level to compete for various entrances in which this subject plays an important role.	Dr.Sabyasachi Chakraborty	which can be done with Biochemistry which the students does in their 3 rd semester. The syllabus were ratified. Programmed cell ddeath was removed from module III to Module I to maintain the continuation of syllabus.
3.	CH(BT)481 Transfer Operation I Lab	Combining Transfer Operation I and II Lab to Transfer Operation Lab	Prof. Dibyajit Lahiri	The change was done to reduce credit point as desired by AICTE and bring the experiment into one segment.	Dr.Rita Kundu & Dr.Sabyasachi Chakraborty	The change was ratified.
4.	CH (BT)302 Chemistry	It was proposed that some portions of the syllabus was similar with the chemistry of 1 st year hence some portions of the chemistry were removed to prevent the repetations of the contents in the subjects.	Dr. Pratik Talukder	The change was done to make the syllabus more competitive based and concept based.This subject first deals with the basic concepts of biomolecules and the biochemistry deals with the applicability of the subject.	Dr.Rita Kundu & Dr.Sabyasachi Chakraborty	The experts suggested that the name of the subject to be changed to Chemistry of Biomolecules. The experts appreciated about the introduction of nanotechnology in Module IV of the syllabus.

2nd 3rd Semester

Sl.No.	Type	Subject Code	Topic	L	T	P	Credit
1	CC	BT302	Biochemistry	2	0	0	2
2	CC	BT391	Biochemistry Lab	0	0	2	1
3	GE	BT301	Thermodynamics & Kinetics	2	0	0	2
4	BSC	CH (BT)302	BT Chemistry	1	1	2	2
5	BSC	CH(BT)392	BT Chemistry Lab	0	0	2	1
6	CC	BT303	Microbiology	2	1	2	3
7	CC	BT392	Microbiology Lab	0	0	2	1
8	GE	HU301	Values and Ethics in Profession	1	0	0	1
9	BSC	CH(BT)301	Basic Environmental Engineering & Disaster Management	1	0	0	1
10	BSC	CH(BT)391	Basic Environmental Engineering Lab	0	0	2	1
11	HSMC	GSC301	Essential Studies for Professional III	2	0	0	2
12	HSMC	GSC381	Skill Development for Professionals III	0	0	2	1
13	Mandatory	MC301	Mandataory Additional	0	0	0	0

	Course (Non Credit)		Requirement (MAR) (Co curricular/Extra curricular Activity)				
14	MOOC	MOOC301	NPTEL ONLINE COURSE	0	0	0	3
Total Credit Points							20

NPTEL courses are based on the respective year's offered courses

2nd Year 4th Semester

Sl.No.	Type	Subject Code	Topic	L	T	P	Credit
1	CC	BT401	Molecular Biology	2	0	0	2
2	CC	Bt491	Molecular Biology Lab	0	0	2	1
3	GE	CH(BT)401	Fundamentals of Material and Energy Balance	2	0	0	2
4	BSC	M(CS)402	Numerical Methods	2	0	0	2
5	BSC	M(CS)491	Numerical Methods Lab	0	0	2	1
6	CC	BT402	Bioprocess Technology	2	0	0	2
7	CC	BT492	Fermentation Technology Lab	0	0	2	1
8	GE	CH(BT)402	Transfer Operations I	2	0	0	2
9	GE	CH(BT)491	Transfer Operations I Lab	0	0	2	1

10	HSMC	GSC401	Essential Studies for Professional IV	2	0	0	2
11	HSMC	GSC481	Skill Development for Professionals IV	0	0	2	1
12	Mandatory Course (Non Credit)	MC401	Mandataory Additional Requirement (MAR) (Co curricular/Extra curricular Activity)	0	0	0	0
13	MOOC	MOOC401	NPTEL ONLINE COURSE	0	0	0	3
Total Credit Points							20

NPTEL courses are based on the respective year's offered courses

CH-402: Transfer Operation

L-T-P = 3-0-0

Credits: 3

Module I: 8L Mass Transfer & Heat Transfer:

Introduction to Mass Transfer: Molecular diffusion in fluids. Diffusivity, Mass Transfer Coefficients, Interphase Mass Transfer, Gas Absorption, countercurrent multistage operation, Packed Tower.

Principles of comminution, Types of comminuting equipment, Energy and power requirement, Crushers, Grinders, Mixing and Agitations, Power consumption in mixing, Mechanical separation, Screening, Types of screen, Filtration, Principle, Constant pressure and constant rate filtration, Settling classifiers, Flootation, Centrifugal Separations. Similarity of mass, momentum, and energy transfer, Nevier-Stoke's equation, flow analysis using N-S equation for flow down in inclined plane.

Classification of heat flow processes, conduction, Thermal conductivity. Heat flow in fluids by conduction and convection. Countercurrent and parallel flow. Enthalpy balance in heat exchange equipment. Individual heat transfer coefficients, overall coefficient, Heating and cooling of fluids, Heat transfer equipment

Module II: 6L Basic concepts of Fluid Mechanics:

Bernoulli Equation, Fluid Friction. Friction in flow through packed beds, fundamentals of fluidisation.

Module III: 6L Distillation

Vapour-liquid equilibrium, Rayleigh's Equation, Flash and Differential distillation, continuous rectification, McCabe-Thiele Method, bubble cap and sieve distillation column.

Module IV: 10L Advanced Separation Processes:

Dialysis, ultrafiltration, reverse osmosis, pervaporation, electrodialysis and membrane separation.

Textbook:

1. Unit Operations of Chemical Engineering: McCabe, Smith & Harriot, TMH, 5th edition

Reference books:

1. Geankopolis, Transport Processes & Unit operations: 3rd edition, PHI.
2. Coulson & Richardson, Chemical Engineering, Vol-I & II:, Butterworth Heinemann
3. D.Q. Kern, Heat Transfer, MGH
3. Badger, W.L., Banchero, J.T., Introduction to Chemical Engineering, MGH
4. Foust, A.S., Wenzel, L.A, et.al. Principles of Unit Operations, 2nd edition, JWS
5. Perry, Chilton & Green, Chemical Engineers' Handbook, MGH
6. R. Byron Bird, Warren E. Stewart and Edwin N. Lightfoot: Transport phenomenon, John Wiley & Sons Inc. Asian students Edition.6
7. Unit Operations of Chemical Engineering: McCabe, Smith & Harriot, TMH, 5th edition

Reference book:

8. Transport Processes & Unit operations: Geankopolis, PHI, 3rd edition
9. Chemical Engineering, Vol-I & II: Coulson & Richardson, Butterworth Heinemann
10. Treybal, R.E., Mass-Transfer Operations, MGH
11. Perry, Chilton & Green, Chemical Engineers' Handbook, MGH

CH-481: Transfer Operation I Lab

L-T-P = 0-0-3

Credits: 2

1. Experiments on Reynold's Apparatus-Determination of flow regime and construction of friction factor against NRe.
2. Experiments on flow measuring device—in closed conduit using Venturimeter, (b) Orifice Meter
3. To study the working characteristics of a Jaw Crusher, calculate the energy consumption as a function of size reduction and compare it with the actual energy requirements.

4. To differentiate between Laminar & Turbulent flow using Bernoulli Apparatus.
5. To Determine the Overall heat transfer coefficient of a concentric pipe heat exchanger based on the inside diameter of the tube..
6. To determine the gas-liquid mass transfer coefficient (Wetted Wall column or Stirred Cell).
7. To study the performance of a Rectification Column
8. To draw the vapour-liquid equilibrium diagram from Othmer Still.
9. To study the drying characteristic curves under constant drying condition in rotary and tray dryers.

GE BT505 Developmental Biology

Module 1: BASIC CONCEPTS OF DEVELOPMENT 9L

Introduction and scope of Developmental biology: Cell-cell communication in development, Potency, commitment, specification, induction, competence, determination and differentiation; morphogenetic gradients; cell fate and cell lineages; Paracrine Factors, Surface receptors and Signal Transduction Pathways, RTK, Smad, Wnt, Hedgehog, JAK- STAT, Notch and Their Signal Transduction Pathways, Programmed cell death, aging and senescence The Cell Death Pathways Juxtacrine Signaling, Cross-Talk between Pathways. Genomic equivalence and Cytoplasmic determinants

Module 2: GAMETOGENESIS FERTILIZATION AND EARLY DEVELOPMENT 3L

Gametogenesis, fertilization and early development: Structure of the Gametes, Recognition of Egg and Sperm, Gamete Fusion and the Prevention of Polyspermy, The Activation of Egg Metabolism, Fusion of the Genetic Material, Rearrangement of the Egg Cytoplasm, zygote formation, cleavage, blastula formation.

Module 3: DEVELOPMENT OF MODEL ORGANISMS 6L

Gastrulation and formation of germ layers in animals; An Introduction to Early Developmental Processes, The Early Development of Sea Urchins, The genetics of axis specification in *Drosophila*, Early *Drosophila* Development, The Origins of Anterior-Posterior Polarity, Development of the tetrapod limb, regeneration. Development and axis specification in *Caenorhabditis elegans* Organogenesis – vulva formation in *Caenorhabditis elegans*, eye lens induction, differentiation of neurons, post embryonic development- larval formation, metamorphosis; environmental regulation of normal development; sex determination, Metamorphosis.

Module 4: IMPLICATIONS OF DEVELOPMENTAL BIOLOGY 3L

Assisted Reproductive Techniques, Embryonic stem cells and Therapeutic cloning, Multipotent adult stem cells and Transgenic stem cells, Medical Advances in Regeneration

TEXT BOOKS

Scott F Gilbert. Developmental Biology 6 th Edition Sunderland (MA):2000. ISBN-10: 0-87893-243-7

JMW Slack Essentials of Developmental Biology 2nd Edition BlackWell Publishing

REFERENCE BOOKS/OTHER READING MATERIAL

Lewis Wolpert, Cheryll Tickle Principles of Development, 4th edition

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA

DEPARTMENT OF BIOTECHNOLOGY

MINUTES OF 6th MEETING OF THE BOARD OF STUDIES

HELD ON 5th December, 2019 AT 03:00 PM

Venue: University of Engineering & Management, Kolkata, University Area, Plot Number III, Kolkata: 700156

Agenda of the Meeting

1. Welcome address to the members of Board of Studies
2. Reconstitution of the committee – inclusion of Dr. Anirban Bhunia as external academic expert and Dr. Sonali Paul as secretary of the committee
3. Discussion on proposed changes of subject code and subject name
4. Discussion on changed syllabi of 2018 B.Tech Batch.
5. Discussion on proposed changes of syllabus for Microbiology, of Basic Environmental Engineering & Disaster Management, Cytogenetics
6. Discussion on the course content for newly introduced subjects - Bioengineering: An Interface with Biology and Medicine, Bioreactor Design & Enzyme Technology, Analytical Techniques, Computational Biology and Drug Development
7. Inclusion of two new subjects considering the requirement of GATE syllabus BT505-Analytical Techniques, BT604A-Computational Biology & Drug Development
7. Ratification of 2016, 2018 elective subject in correspondence to the NPTEL
8. Decision on the proposed changes
9. Outcome of the discussion

MINUTES

THE MEETING BEING QUORATE

1. Prof.Dr. Susmita Mukherjee,Head of the Department, welcomed all the members and thanked them for being available for attending this meeting.
2. Prof. Dr. Susmita Mukherjee introduced new member of Board of Studies Dr. Anirban Bhunia from Bose Institute and also reconstructed the BOS committee by proposing the name of Dr. Sonali Paul as member secretary which was accepted unanimously.

THEREAFTER, THE AGENDA WAS TAKEN UP AS UNDER:

Confirmation of the Minutes of the 5th Meeting of the Board of studies held on 18th May 2019.The Minutes of the 3rd Meeting of the Board of studies were confirmed

ITEM(S) FOR REPORTING AND RATIFICATION:

SI No	Subject with Subject Code	Proposed	Proposed By	Reason for the change(Gap)	Reviewed By	Reviewer's comment
1.	CH(BT)301 Basic Environmental Engineering & Disaster Management To CH(BT)381 Basic Environmental Engineering &	BSc(BT)301 Basic Environmental Engineering & Disaster Management BSc(BT)391 Basic	Dr. Susmita Mukherjee	The change in accordance to the AICTE format for various subjects.	Dr.Rita Kundu Dr.Sabyasachi Chakraborty & Dr. Anirban Bhunia	It was ratified by the members

Elementary Biology Lab	Environmental Engineering Lab CH(BT)392				
CH(BT)302 Chemistry CH(BT)382 Chemistry Lab	BSC(BT)302 BSC(BT) 392 Chemistry Lab				
GS301 Essential studies for Professionals III	HSMC301 Essential Studies for Professionals – III				
GS381 Skill Development For Professionals III	HSMC381 Skill Development for Professionals – III				
M (CS)402 Numerical Methods	BSC(CS)402 Numerical Methods				
CH(BT)402 Transferoperation Lab	GE(BT)402 Transferoperation Lab				
CH(BT)491 Transfer operation Lab	GE(BT)491 Transfer operation Lab				
From 8 th Semester	HSMC(BT)401				
CS505A Database	GE (CS)505A				

	Management System CS 595A Database Management System Lab HU 301 Values and Ethics HU 501 Principles and Practices of Management HU 602 Production and Operation Management BT694 Seminar	Database Management System GE (CS) 595A Database Management System Lab HSMC 301 Values and Ethics in Profession HSMC 502 Principles and Practices of Management HSMC 602 Production and Operation Management Category PTI BT694 Seminar				
	CH(BT)301 Basic Environmental Engineering & Disaster Management	BSC(BT)301 Basic Environmental Engineering & Disaster Management	Dr. Sonali Paul	Systematic arrangement of the syllabi where the pollutions and ecology contents has been made into different modules	Dr.Rita Kundu Dr.Sabyasachi Chakraborty & Dr. Anirban	Reviewers focussed upon the principles and it was mentioned that students are initially delt with the concepts at the theory periods and then finally they do that in they practical classes.

				depending upon their chronological sequences	Bhunia	
2.	BT 303 Microbiology		Dibyajit Lahiri	Depending upon the requirement for the GATE exam	Dr.Rita Kundu Dr.Sabyasachi Chakraborty & Dr. Anirban Bhunia	Inclusion of AMR and MDR in the last module. Detailed Cp
3.	GE(BT)401 Bioreactor Design & Enzyme Technology	In place of CH (BT) 401 Principles of Energy Balance and Mass Balance	Dibyajit Lahiri	This is dependent upon the GATE requirement	Dr.Rita Kundu Dr.Sabyasachi Chakraborty & Dr. Anirban Bhunia	It was ratified by the experts
4.	BT 501 Cytogenetics		Dr. Pratik Talukder	Need of incorporation some concepts within the syllabus	Dr.Rita Kundu Dr.Sabyasachi Chakraborty & Dr. Anirban Bhunia	Classical Genetics and its extension(Module II) 15L Module III (10L)
5.	BT 505 Analytical Techniques	In place of CH (BT) 505 Transfer Operation II	Dr. Moupriya Nag	This is dependent upon the GATE	Dr.Rita Kundu Dr.Sabyasachi	

				requirement and to allow all the students has the basic concept of the analytical techniques. This is also	Chakraborty & Dr. Anirban Bhunia	
6.	HU(BT)-801Patent law for Engineers and Scientists	Ratified in Last BOS Meeting				
7.	BT-801Bioengineering: An Interface with Biology and Medicine	In place of Downstream Processing	Dr. Biswadeep Chaudhuri	The requirement of industry and academics	Dr.Rita Kundu Dr.Sabyasachi Chakraborty & Dr. Anirban Bhunia	Ratified by the experts
8.	BT-802Waste to Energy Conversion	Ratified in Last BOS Meeting				

Change in subject name and subject code:

Existing		New (2018 batch)	
Subject Code	Subject Name	Subject Code	Subject Name
CH(BT)301	Basic Environmental Engineering & Disaster Management	BSC(BT)301	Basic Environmental Engineering & Disaster Management

CH(BT)381	Basic Environmental Engineering & Elementary Biology Lab	BSC(BT)391	Basic Environmental Engineering Lab
CH(BT)302	BT Chemistry	BSC(BT)302	BT Chemistry
CH(BT)382	Chemistry Lab	BSC(BT)392	BT Chemistry Lab
HU301	Values and Ethics in Profession	HSMC 301	Values and Ethics in Profession
GS301	Essential studies for Professionals III	HSMC301	Essential Studies for Professionals – III
GS381	Skill Development For Professionals III	HSMC381	Skill Development for Professionals – III
CH(BT)401	Bioreactor Design and Enzyme Technology	GE(BT)401	Bioreactor Design and Enzyme Technology
M (CS)402	Numerical Methods	BSC(CS)402	Numerical Methods
M (CS)491	Numerical Methods Lab	BSC(CS)491	Numerical Methods Lab
CH(BT)401	Fundamentals of Material and Energy Balance	CH(BT)401	Bioreactor Design & Enzyme Technology
CH(BT)402	Transfer Operation I	GE(BT)402	Transfer Operations
CH(BT)481	Transfer Operation Lab I	GE(BT)491	Transfer Operations Lab
GS401	Essential studies for Professionals IV	HSMC401	Essential Studies for Professionals - IV
GS481	Skill Development For Professionals IV	HSMC481	Skill Development for Professionals – IV
HU511	Principles & Practices of Management	HSMC 501	Principles and Practices of Management
CH(BT)505	Transfer operation –II	BT 505	Analytical Techniques

CS515A	Database Management System	GE(CS) 505A	Database Management System
CS595A	Database Management System Lab	GE(CS) 595A	Database Management System Lab
HU502	Principles and Practices of Management	HSMC 502	Principles and Practices of Management
GS501	Essential Studies For Professionals-V	GSC 501	Essential Studies for Professionals –V
CS584	Database Management System Lab	BT595A	Database Management System lab
GS581	Skill Development For Professionals- V	HSMC 581	Skill Development for Professionals –V
GS501	Essential Studies For Professionals-V	HSMC 501	Essential Studies for Professionals –V
BT604	604A: Bioseparation Technology 604B: Molecular Modeling & Drug Designing 604C: Biophysics of Macromolecules 604D: Biosensor & Diagnostics 604E: Biofertilizer & Biopesticide	BT604A BT604B	Computational Biology & Drug Development Biofertilizer & Biopesticide
CS605A	Data Science and Data Analytics	GE(CS)605A	Data Science and Data Analytics
CS 684	Data Science and Data Analytics Lab	GE(CS)684	Data Science and Data Analytics Lab

HU611	Production & Operations Management	HSMC602	Production and Operation Management
BT701	Bioreactor Design and Analysis	BT 701	Downstream Processing
BT791	Bioprocess Engineering Lab	BT791	Downstream Technology Lab
BT704	704A: Environmental Biotechnology & Pollution Control 704B: Modeling & Simulation of Bioprocesses 704C: Biomaterials 704D: Biometalurgy 704E: Proteomics & Protein Engineering 704F: Human Genomics	BT704	704A: Environmental Biotechnology & Pollution Control 704B: Biomaterials
GS701	Essential studies for Professionals VII	HSMC 701	Essential Studies for Professionals – VII
GS781	Skill Development For Professionals-VII	HSMC 781	Skill Development for Professionals – VII
HU781	Group Discussion	HSMC 782	Group Discussion
BT-802	802A: Renewable Energy Technology 802B: Tissue Engineering 802C: Biomedical Engineering 802D: Post Harvest Technology 802E: Metabolic Engineering	-	-
BT-893	Project Report-II Report and Defense Seminar by PPT	-	-
BT-894	Grand Viva (Comprehensive Viva Voce)	-	-
BT-895	Industrial Project/Training(Report Poster Presentation & Viva Voce)	-	-
-	-	HSMC 801	Essential Studies for Professionals – VIII
-	-	HSMC 881	Skill Development for Professionals – VIII

2016 batch			
HU(BT)-801	Bioethics, Biosafety, IPR & Entrepreneurship in Biotechnology	HU(BT)-801	Patent law for Engineers and Scientists
BT-801	Downstream Processing	BT-801	Bioengineering: An Interface with Biology and Medicine
BT-802	802A: Renewable Energy Technology 802B: Tissue Engineering 802C: Biomedical Engineering 802D: Post Harvest Technology 802E: Metabolic Engineering	BT-802	Waste to Energy Conversion

Sl. No.	NPTEL Course Name
1	Waste to Energy Conversion (2016 batch) Bioengineering Interphase with Biology & Medicine
2	Biochemistry

HU481	Technical Report Writing & Language Lab Practice – existing in 4 th sem
HSMC(BT)401	Bioethics, Biosafety, IPR and Entrepreneurship in Biotechnology new in 4 th sem from 2018
CH(BT)584	Transfer operation Lab-II – existing in 5 th sem
BT503	Pharmaceutical Biotechnology – previously in 7 th sem, now in 5 th sem
BT593	Pharmaceutical Biotechnology Lab - previously in 7 th sem, now in 5 th sem

Points of Discussions

Suggestions:

1. Pharmaceutical Lab : The process of drug release at change of time and pH
2. Common Instruments facilities to be extended that was strongly recommended by the BOS Member. There was a concrete discussion on the existing instrumentational facilities but the experts said that there has to be better or central instrumentation facilities needed for the long development of the department.
 - i. Fluorescence Microscope
3. Visit to the central facility of Bose Institute for having a practical experience about the instrumentation facilities.
4. Guest Faculty from Bose Institute for Computational Drug Development.

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA

DEPARTMENT OF BIOTECHNOLOGY

MINUTES OF 7th MEETING OF THE BOARD OF STUDIES

HELD ON 8th October, 2020 AT 11:00 AM

Virtual Mode Via Google Meet

Agenda of the Meeting

1. Welcome address to the members of Board of Studies
2. Discussion on proposed changes of subject code and subject name for AICTE affiliated 2018 and 219 Batches

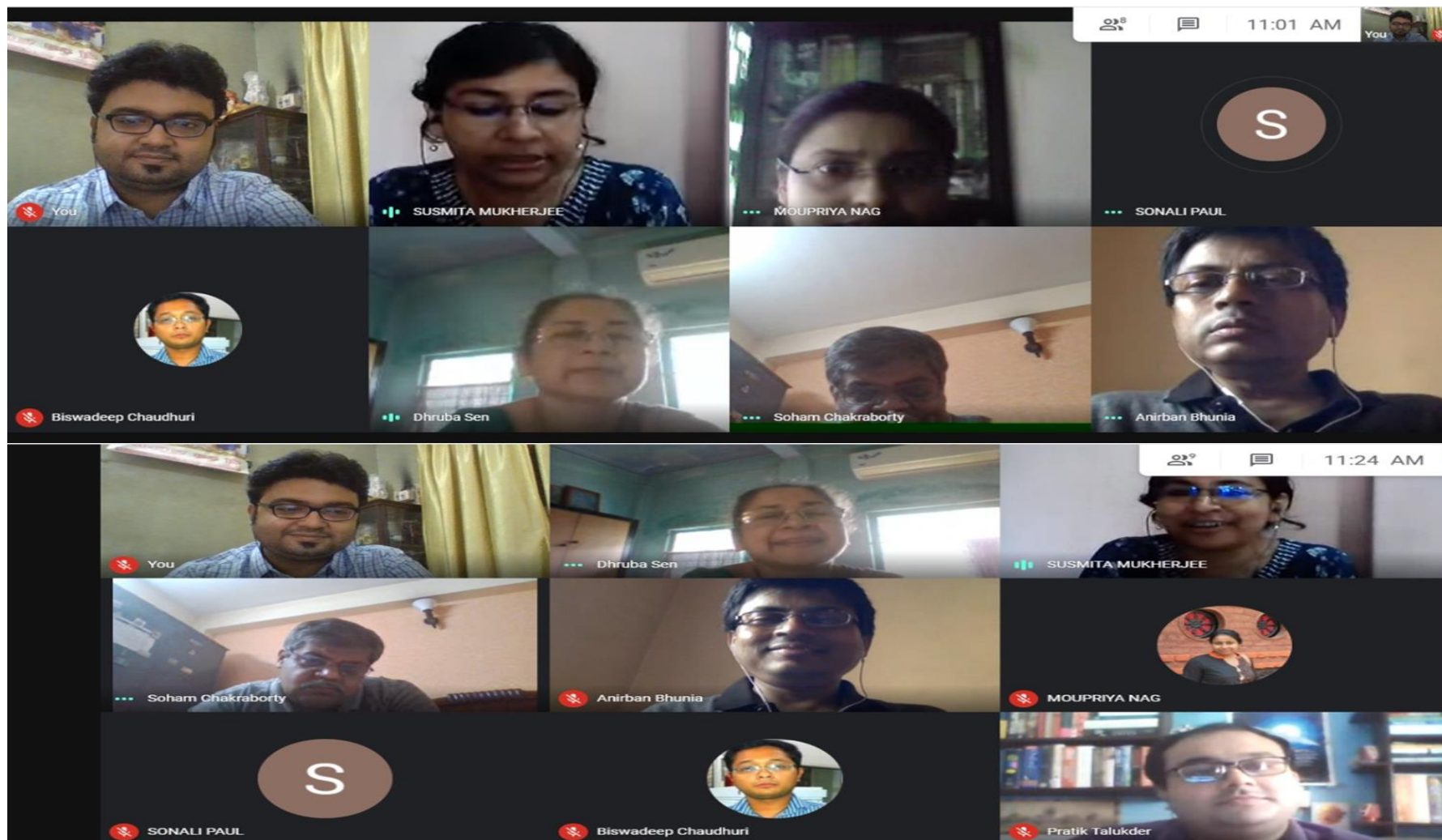
MINUTES

THE MEETING BEING QUORATE

. Prof. Dr. Susmita Mukherjee, Head of the Department, welcomed all the members and thanked them for being available for attending this meeting. The meeting was conducted to change the subject codes as per directives of AICTE.

THEREAFTER, THE AGENDA WAS TAKEN UP AS UNDER:

Confirmation of the Minutes of the 6th Meeting of the Board of studies held on 5th December 2019. The Minutes of the 6th Meeting of the Board of studies were confirmed



UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA

DEPARTMENT OF BIOTECHNOLOGY

MINUTES OF 8th MEETING OF THE BOARD OF STUDIES

HELD ON 22nd March, 2021 AT 12:45 AM

Virtual Mode Via Google Meet

Agenda of the Meeting

1. Welcome address to the members of Board of Studies
2. Discussion on proposed changes of proposed changed of syllabus by AICTE for 2020 Batch

MINUTES

THE MEETING BEING QUORATE

Prof. Dr. Susmita Mukherjee, Head of the Department, welcomed all the members and thanked them for being available for attending this meeting. The meeting was conducted to changes in the syllabus as proposed by AICTE for 2020 batch.

Prof. Mukherjee mentioned at the beginning of the meeting the change of curriculum is performed on the basis of the criteria required by the verdict of AICTE, recruiters and various types of competitive exams like GATE, UPSC and other Government services.

THEREAFTER, THE AGENDA WAS TAKEN UP AS UNDER:

Confirmation of the Minutes of the 7th Meeting of the Board of studies held on 8th October 2020. The Minutes of the 7th Meeting of the Board of studies were confirmed

ITEM(S) FOR REPORTING AND RATIFICATION:

SEMESTER III

S. No.	Course Code	Course Title	L	T	P	C	Contact Hours Per Week	Max. Marks	
								C.A	E.S.A
1	HS201	Effective Technical Communication	3	0	0	3	3	25	75
2	BS201	Biochemistry (SMU + SP)	2	0	2	3	4	25	75
3	BS203	Microbiology (SP +DL)	2	0	2	3	4	25	75
4	BS205	Genetics(SMU+PT)	2	0	2	3	4	25	75
5	BS207	Biophysics (MN)	2	0	0	2	2	25	75

6	BS209	Cell & Molecular Biology (SMU+PT)	2	0	2	3	4	25	75
7	BS211	Plant Biology (SP+PT)	1	0	2	2	3	25	75
8	PS201	Technical Seminar	0	0	2	1	2	100	--
9	HSMC 302	General Studies & Current Affairs-II	2	0	0	2			
10	HSMC 382	Competitive Aptitude Training-III	0	0	2	2			
11	MOOC3	Mandatory for BTech Honours	0	0	3	3			
12	MC381	Mandatory Additional Requirements	0	0	0	0			
TOTAL			14	0	12	27	26	275	525

SEMESTER IV

S. No.	Course Code	Course Title	L	T	P	C	Contact Hours Per Week	Max. Marks	
								C.A	E.S.A
1	PC202	Bioprocess Engineering(BCH+DL)	2	0	2	3	4	25	75
2	PC204	Green Biotechnology and Pollution Abatement (SMU)	2	0	0	2	2	25	75
3	PC206	Immunology & Immuno- technology (SP+PT)	2	0	2	3	4	25	75
4	PC208	rDNA Technology(SP+PT)	2	0	2	3	4	25	75
5	PC210	Structural Biology (MN+DL)	2	1	0	3	3	25	75
6	PC212	Bioinformatics & Computational Biology(MN+DL)	2	0	2	3	4	25	75
7	AU202	Environmental Science (SP+BCH)	2^	0	0	0	2	25	75
8	HS202	Engineering Economics	2	0	0	2	2	25	75
9	PS202	Comprehensive <i>viva voice</i>	0	0	2	1	2	100	--
10	HSMC 402	General Studies & Current Affairs-III	2	0	0	2			
11	HSMC 482	Competitive Aptitude Training-IV	0	0	2	2			
12	MOOC4	Mandatory for BTech Honours	0	0	3	3			
13	MC481	Mandatory Additional Requirements	0	0	0	0			
TOTAL			14+2^	1	10	27	27	300	600

Note: ^ represents related to Audit Course.

SEMESTER V

S. No.	Course Code	Course Title	L	T	P	C	Contact Hours Per Week	Max. Marks	
								C.A	E.S.A
1	HS301	Entrepreneurship and Startups	1	1	0	2	2	25	75
2	PC301	Metabolic Engineering(MN+DL)	2	0	2	3	4	25	75
3	PC303	Analytical Techniques (MN+DL)	2	0	2	3	4	25	75
4	PC305	Cheminformatics & Medicinal Chemistry (MN+DL)	2	0	2	3	4	25	75
5	PC307	Good Manufacturing and Laboratory Practice (BCH)	2	1	0	3	3	25	75
6	PE305	Professional Elective-I Biosimilars Technology (SP+BCH)	3	1	2	5	6	25	75
7	OS307	Open Subject-I Biomaterials (BCH)	3	1	2	5	6	25	75
8	AU301	Indian Constitution	2^	0	0	0	2	--	--
9	PS301	Summer Internship- I	0	0	4	2	--	100	--
10	HSMC 502	Advanced Technical Knowledge-I	2	0	0	2			
11	HSMC 582	Competitive Aptitude Training-V	0	0	2	2			
12	MOOC5	Mandatory for BTech Honours	0	0	3	3			
13	MC581	Mandatory Additional Requirements	0	0	0	0			
TOTAL			15+2^	4	14	33	31	275	525

Note: ^ represents related to Audit Course.

DBMS Theory & Lab to be added

SEMESTER VI

S. No.	Course Code	Course Title	L	T	P	C	Contact Hours Per Week	Max. Marks	
								C.A	E.S.A
1	PC302	Bioseparation Engineering (MN+DL)	2	0	2	3	4	25	75
2	PC304	Synthetic & Systems Biology(MN+DL)	3	0	2	4	5	25	75
3	PC306	Animal & Plant Biotechnology (PT+BCH)	2	0	4	4	6	25	75
4	PE304	Professional Elective-II Waste Management & Upcycling (SMU+SP)	3	1	2	5	6	25	75
5	OS308	Open Subject-II Design Thinking	3	1	2	5	6	25	75
6	HSMC 602	Advanced Technical Knowledge-II	2	0	0	2			
7	HSMC 682	Competitive Aptitude Training-VI	0	0	2	2			
8	MOOC6	Mandatory for BTech Honours	0	0	3	3			
9	MC681	Mandatory Additional Requirements	0	0	0	0			
TOTAL			13	2	12	28	27	125	375

SEMESTER VII

S. No.	Course Code	Course Title	L	T	P	C	Contact Hours Per Week	Max. Marks	
								C.A	E.S.A
1	HS401	Intellectual Property Rights (IPR) & Regulatory (BCH)	1	1	0	2	2	25	75
2	PC401	Data analysis and Simulations (PT+DL)	2	0	2	3	4	25	75
3	PE405	Professional Elective-III State-of-the-art Imaging (MN+DL)	3	1	2	5	6	25	75
4	PE411	Professional Elective-IV Nano Biotechnology (MN+DL)	2	1	0	3	3	25	75
5	OS407	Open Subject-III Food and Nutrition Technology (SP+PT)	3	1	2	5	6	25	75
6	OS411	Open Subject-IV Bioterrorism and National Security (BCH+SP)	2	1	0	3	3	25	75
7	PS401	Project-I	0	0	4	2	--	100	--
8	PS403	Summer Internship- II	0	0	6	3	--	100	--
9	HSMC 702	Advanced Technical Knowledge-III	2	0	0	2			
10	HSMC 782	Competitive Aptitude Training-VII	0	0	2	2			
11	MOOC7	Mandatory for BTech Honours	0	0	3	3			
12	MC781	Mandatory Additional Requirements	0	0	0	0			
TOTAL			13	5	16	33	28	350	450

SEMESTER VIII

S. No.	Course Code	Name	L	T	P	C	Contact Hours Per Week	Max. marks	
								C.A	E.S.A
1	PS402	Project-II (Biotech Industrial or Biotech In- house Project or Bio- Entrepreneurship/ startups)	0	0	18	9	--	100	200
2	HSMC 802	General Studies & Current Affairs-IV	2	0	0	2			
3	HSMC 882	Competitive Aptitude Training-VIII	0	0	2	2			
4	MOOC8	Mandatory for BTech Honours	0	0	3	3			
5	MC881	Mandatory Additional Requirements	0	0	0	0			
TOTAL			0	0	18	16	--	100	200

Semester –III

HS201

Course Title: Effective Technical Communication

Credit: 3 (L: 3, T: 0, P: 0)

Course Contents:

Module 1: Information Design and Development- Different kinds of technical documents, Information development life cycle, Organization structures, factors affecting information and document design, Strategies for organization, Information design and writing for print and online media.

Module 2: Technical Writing, Grammar and Editing- Technical writing process, forms of discourse, writing drafts and revising, Collaborative writing, creating indexes, technical writing style and language. Basics of grammar, study of advanced grammar, editing strategies to achieve appropriate technical style. Introduction to advanced technical communication, Usability, Human factors, Managing technical communication projects,

time estimation, Single sourcing, Localization.

Module 3: Self Development and Assessment- Self assessment, Awareness, Perception and Attitudes, Values and belief, Personal goal setting, career planning, Self-esteem. Managing Time; Personal memory, Rapid reading, taking notes; Complex problem solving; Creativity.

Module 4: Communication and Technical Writing- Public speaking, Group discussion, Oral; presentation, Interviews, Graphic presentation, Presentation aids, Personality Development. Writing reports, project proposals, brochures, newsletters, technical articles, manuals, official notes, business letters, memos, progress reports, minutes of meetings, event report.

Module 5: Ethics- Business ethics, Etiquettes in social and office settings, Email etiquettes, Telephone Etiquettes, Engineering ethics, managing time, Role and responsibility of engineer, Work culture in jobs, Personal memory, Rapid reading, taking notes, Complex problem solving, Creativity.

Text Books/References:

1. Effective Communication Skills. Kulbhushan Kumar. Khanna Publishing House. 2018.
2. David F. Beer and David McMurrey, Guide to writing as an Engineer, John Wiley. New York, 2004.
3. Diane Hacker, Pocket Style Manual, Bedford Publication, New York, 2003. (ISBN 0312406843).
4. Shiv Khera, You Can Win, Macmillan Books, New York, 2003.
5. Raman Sharma, Technical Communications, Oxford Publication, London, 2004.
6. Dale Jungk, Applied Writing for Technicians, McGraw Hill, New York, 2004. (ISBN: 07828357-4)
7. Sharma, R. and Mohan, K. Business Correspondence and Report Writing, TMH. 2002.
8. Xebec, Presentation Book, TMH New Delhi, 2000.

BS201

Course Title: Biochemistry

Credit: 3 (L: 2, T: 0, P: 2)

Module I: (10L) Introduction to Enzyme & Carbohydrate Metabolism:

Enzymes: Basic concept of enzyme-substrate reaction, Classification and nomenclature, Enzyme active site, Regulation of enzyme activity, allosteric regulation. Generation and utilization of ATP. **Metabolic pathways of carbohydrates and their regulation:** glycolysis, TCA cycle, pentose phosphate pathway, Entner-Doudoroff pathway and Cori cycle.

Oxidative phosphorylation: electron transport chain, ATP synthesis, regulation of oxidative phosphorylation; gluconeogenesis, glycogen (glycogenolysis and glycogenesis). **Photosynthesis:** Photophosphorylation, Calvin cycle. Disorder/ diseases of carbohydrate metabolism.

Module II: (10L) Metabolism of Amino acid, Protein:

Catabolism and Anabolism, Catabolism of amino acids, general metabolism of amino acids. catabolism of Tyrosine, Leucine, Glutamic acid and Arginine Glucogenic amino acids, ketogenic amino acids. Urea cycle and its regulation, protein degradation and turnover. Disorder/ diseases of amino acids metabolism.

Module III: (10L) Metabolism of lipid, nucleic acid and vitamin:

Oxidation of Fatty acid: Beta oxidation and omega oxidation of fatty acids – saturated and unsaturated fatty acids –even and odd numbered. Catabolism of phospholipids. Biosynthesis of fatty acids, phospholipids, cholesterol and steroid, Disorder/ diseases of lipid metabolism. **Nucleic acid metabolism:** nucleotide metabolism, purine and pyrimidine degradation, De Novo and Salvage Pathways. Disorder of purines and pyrimidines metabolism. **Metabolism of Vitamins,** Brief description of animal and plant hormones.

Module IV: (10L) Cell Signaling:

Cell signaling and signal transduction pathways: Hormones and their receptors, cell surface receptor, signaling through G-protein coupled receptors, second messengers, regulation of signaling pathways, general principles of cell communication, cell adhesion and roles of different adhesion molecules, gap junctions, extracellular matrix, integrins.

Practical Exercise:

1. Spectrophotometry: Verification of Lambert-Beer's law
2. Estimation of sugars: Enzymatic method (GOD method)
3. Separation of amino acids/ sugars/ steroids/ vitamins/ alkaloids/antibiotics - Thin layer chromatography/ Paper chromatography (at least one adopting both methods).
4. Determination of specific activity of an enzyme (α and β amylase/SDH/alkaline phosphatase)
5. Enzyme Kinetics - (Determination of K_m and V_{max}) of a enzyme
6. Determination of temperature and pH optima of an enzyme
7. Enzyme Inhibition – determining the nature of inhibition
8. Separation of proteins by Polyacrylamide Gel Electrophoresis (PAGE).
9. Chemical estimation of DNA /RNA (by spectroscopy).

Text Books/References:

1. Principles of Biochemistry by David L. Nelson and Michael M. Cox
2. Biochemistry by Geoffrey Zubey
3. Biochemistry. 5th edition. Berg JM, Tymoczko JL, Stryer L. New York: W H Freeman; 2002.
4. Essentials of Glycobiology [Internet]. 3rd edition. Varki A, Cummings RD, Esko JD, et al., editors. Cold Spring Harbor (NY): Cold Spring Harbor Laboratory Press; 2015- 2017.
5. Basic Neurochemistry: Molecular, Cellular and Medical Aspects. 6th edition. Siegel GJ, Agranoff BW, Albers RW, et al, editors. Philadelphia: Lippincott-Raven; 1999.

BS203

Course Title: Microbiology

Credit: 3 (L: 2, T: 0, P: 2)

Course Contents:

Module I: 8L

Introduction to Microbiology:

Cell structure and sub cellular organelles of bacteria– Slime layer, capsule, cell wall, flagella, pili, fimbriae, nucleoid, plasmid and episome (F, R, Ti as example) ribosome, cytoplasmic inclusions (inorganic and organic), endospores.

Archibacteria (importance- structure- reproduction), Moulds (importance- structure- reproduction), yeast (structure-reproduction), algae (importance- structure-reproduction). Virology- General classification of virus, (structure, nucleic acid, cultivation of bacteriophage, coliphage), animal viruses plant viruses, TMV). Importance of viruses, life cycle of viruses, lytic cycle (T4) and lysogenic (lambda). Taxonomy- The five kingdom classification, criteria for classification, bacterial phylogeny, numerical approach, new approaches – taxonomic implications of DNA base composition.

Module II: 10L

Basic Principles of Microbiology:

Microscopy- Principles and applications, dark field, bright field, resolving power, numerical aperture, chromatic aberration, phase contrast microscopy, fluorescent microscopy, inverted microscopy, stereo microscopy, electron microscopy, TEM and SEM. Cultivation of bacteria– Types of growth media (natural, synthetic, complex, enriched, selective- definition with example), pure culture methods (streak plate, spread plate, pour plate, stab culture, slant culture).

Anaerobic (thioglycolate, anaerobic chamber, Robertson's media, microaerophilic), liquid shake culture of aerobic bacteria. Growth of bacteria- Definition, growth phases, kinetics of growth, direct and indirect measurement of growth, The mathematical nature and expression of growth, growth principles of nutrition, influence of environmental factors-pH, temperature, oxygen, Heavy metals and Other compounds. Control of microbes- Sterilisation, disinfection, antiseptic, tyndallisation, pasteurization: Physical- dry heat, moist heat, UV light, ionizing radiation, filtration, HEPA filter, Chemical compounds, anionic and cationic detergents. Antibiotics and Antibiotic related resistances.

Module III 4L

Microbial Growth and Metabolism

Bacterial photosynthesis (green and purple bacteria), biochemical nitrogen fixation– non-symbiotic, symbiotic (definition and examples), basic concept of nif –genes. Mod genes, nitrogenase complex, legheamoglobin.

Module IV 4L

Microbiology of Air, Water and Soil:

Air microbiology- Microorganisms in the air, sampling techniques, air borne pathogens. Microbiology of water-

Microbiology of fresh water and wastewater (sewage), Important water borne diseases– cholera, typhoid, (name of pathogen, preventive measures). Outlines of method for detection of microorganisms in drinking water (presumptive, confirmatory and completed tests). Distinction between fecal and non-fecal coliforms. Soil microbiology- Soil microorganisms, different kinds of association between soil microflora, between micro and macro organisms.

Module V 8L

Medical Microbiology

Classification of medically important viruses, virus cultivation & demonstration; Viral multiplication, Bacteriophage & its application in medicine; Poxviridae, Adenoviridae, Herpesviridae; Hepatitis viruses; Picornaviridae, Rhabdoviridae; Retroviridae; Arboviruses; Oncogenic viruses, Preparation & standardization of viral vaccine

Gram-positive cocci, disease produced by them and diagnostic approach; Gram-negative cocci, disease produced by them and diagnostic approach; Mycobacteriaceae, Actinomycetaceae and Corynebacteriaceae; Spore bearing and non-spore bearing anaerobes; Enterobacteriaceae including E coli, Salmonella, Shigella; Vibrio; Pseudomonas; Haemophilus, Bordetella, Brucella, etc

Practicals:

1. Media preparation & Sterilization techniques
2. Isolation of microbes from soil, water and oral samples
3. Staining Techniques (Simple, Gram staining, spore staining) & Microscopy and Micrometry
4. Growth Kinetics (Bacterial Growth Curve)
5. Isolation, enumeration and purification of microbes from a given sample
6. Antibiotic Assay - Antimicrobial Sensitivity Test (Disc Diffusion Method)

Text Books/References:

1. Prescott's Microbiology by Willey, Sherwood and Woolverton.
2. Brock Biology of Microorganisms by Madigan, Martinko, Stahl and Clark.
3. General Microbiology by Stanier, Ingraham, Wheelis and Painter.
4. Microbiology, M. Pelczar, E. Chan, N. Kreig, 5th ed, MGH.

BS205

Course Title: Genetics

Credit: 3 (L: 2, T: 0, P: 2)

Course Content:

Module I

Chemistry of Genetic Material:

Discovery of DNA as genetic material, Experiments of Griffith; Avery, McClelland; McCarthy, and Hershey and Chase. RNA as genetic material - Experiment of Fraenkel and Singer; Nucleic acids: structure of DNA, RNA, and Proteins,

Module II

Classical Genetics & its exceptions

Mendelian inheritance; multiple alleles, pseudoallele, gene interaction, complementation, Codominance, incomplete dominance, linkage, pleiotropy; recombination and chromosome mapping, sex determination; extrachromosomal inheritance, special types of chromosomes; Alterations of chromosomes: euploidy and aneuploidy, deletion, duplication, inversion and translocation their genetic implications; pedigree analysis, lod score for linkage testing, karyotypes. Chromosomal abnormalities.

Module III

Gene Mutation and Cancer

Gene Mutation: Mutagen, Induced and spontaneous mutation, mutation Types, causes and detection, mutant types. DNA repair mechanism (Mismatch repair photo reactivation, excision and SOS repair); Beneficial and harmful effects of mutations. Molecular basis of genetic diseases. Applications of genetic disorders: Cancer Genetics: Genetic rearrangements in progenitor cells, oncogenes; proto-oncogenes; tumour suppressor genes – p53, RB and others, virus-induced cancer, cancer and the cell cycle.

Module IV

Microbial genetics

Transformation; Transduction and Conjugation: F factor-mediated, Hfr and F-duction; Introduction to Genomics and Proteomics. Transposable elements Maize and Drosophila; recombination and complementation analysis; gene mapping. Viral genetics: genetics of animal virus: polio, HIV and adenovirus, Bacteriophage: genetics of lambda phage

Module V

Population genetics

Population genetics: Hardy Weinberg analysis, Population genetics: Hardy-Weinberg Law; factors

disrupting H-W equilibrium- Genetic Drift, Migration and Mutation and Selection in changing allele, problems related to estimation of allelic and gene frequencies. Mean, median; mode, standard deviation, variance, discrete and continuous probability distributions, Correlation and regression analysis, T test, chisquare analysis

Practical:

1. Extraction of plasmid DNA and calculation of concentration and purity.
2. Extraction of genomic DNA from animal and plant tissues and calculation of concentration and purity.
3. Extraction of RNA from animal and plant tissues.
4. Barr body preparation from buccal smear.
5. Study of mutation in onion root tip cell chromosome.
6. Student's test and Chisquare analysis (chi-square test of goodness of fit, chi-square test of homogeneity, chi-square test of contingency)

Text Books/References:

1. Lewin's GENES XII by Jocelyn E. Krebs, Elliott S. Goldstein and Stephen T. Kilpatrick
2. Molecular Biology of the Gene by James D. Watson, A. Baker, Tania, P. Bell, Stephen, Gann, Alexander, Levine Michael, and Losick Richard
3. The Biophysical Chemistry of Nucleic Acids and Proteins: Thomas E. Creighton; Helvetian Press; 2010.
4. Molecular Cell Biology, 8th edition (2016) by Harvey Lodish, Arnold Berk, Chris A. Kaiser, Monty Krieger, Anthony Bretscher, Hidde Ploegh, Angelika Amon and Kelsey C. Martin
5. Textbook on Molecular Genetics by D.N. Bharadwaj (2009); Kalyani Publisher
6. Latest/classic research articles and reviews relevant to various topics.

BS207

Course Title: Biophysics

Credit: 2 (L: 2, T: 0, P: 0)

Course Content:

Module 1: 10L

Introduction to biophysics, Strong and weak interactions in biomolecules, dielectric properties of biomolecules, electronic properties of biomolecules – conductivity, photoconductivity and piezoelectric effect.

Module 2: 10L

Conformation of proteins and enzymes, effect of amino acids on the structure of proteins, energy status of a protein molecule, helix coil transformation of proteins, structure-function relations of enzymes, cooperative properties of enzymes, dynamics of protein folding.

Module 3: 10L

Conformation of nucleic acids, helix coil transformation, thermodynamics of DNA denaturation, Changes in nucleic acid structures during biochemical processes

Module 4: 10L- Advanced discussion

Electrical Phenomena in Excitable Cells, Electrically Excitable Cells, Electrical Signals of Nerve Cells, The Ionic Hypothesis and Rules of Ionic Electricity, Membrane proteins, Channels and Transporters in Biological system, Functional Properties of Voltage-Gated Ion Channels, Ion pumping and Ion Channel rhodopsins and their use, Cilia and Flagella: Structure and Movement, Molecular Motors: Kinesin, Dynein and Myosin, and intracellular movement, Microtubule structure. Mechanobiology and its importance in human health.

Text Books/References:

1. Biochemistry. 5th edition. Berg JM, Tymoczko JL, Stryer L. New York: W H Freeman; 2002.
2. Basic Neurochemistry: Molecular, Cellular and Medical Aspects. 6th edition. Siegel GJ, Agranoff BW, Albers RW, et al., editors. Philadelphia: Lippincott-Raven; 1999.
3. Molecular Biology of the Cell. 4th edition. Alberts B, Johnson A, Lewis J, et al. New York: Garland Science; 2002.
4. Molecular Cell Biology. 4th edition. Lodish H, Berk A, Zipursky SL, et al. New York: W. H. Freeman; 2000.
5. Neuroscience. 2nd edition. Purves D, Augustine GJ, Fitzpatrick D, et al., editors. Sunderland (MA): Sinauer Associates; 2001.
6. The Biophysics of RNA. *ACS Chem. Biol.* 2007;27440-444

BS209

Course Title: Cell & Molecular Biology
Module I

Credit: 3 (L: 2, T: 0, P: 2)

Cell biology: Microscopy- Visualizing cells and tissues; Integrating cells into tissues (animals and plants); Structure of cell and cell organelles, Details of the cell cycle, cell division and regulation; Cell-Cell junctions; Mitosis and Meiosis.

Module II

Introduction to Molecular Biology and central dogma:

Replication in prokaryotes and eukaryotes: Mechanism, Model, structure and function of different Enzymes in DNA replication. Initiation, Elongation & Termination of replication; Inhibitors of DNA replication; RNA replication. Transcription: Components of transcriptional machinery in prokaryotes and eukaryotes: Structure of mRNA, promoter, RNA polymerases and transcription factors, terminators. Process of transcription in prokaryotes and eukaryotes: Initiation, Elongation & Termination of transcription (Rho dependent and independent). Post transcriptional processing of

RNA: capping, splicing (different types), polyadenylation and RNA editing. mRNA stability. Inhibitors of transcription. Reverse transcription. Ribozyme. Translation: Components translational machinery in prokaryotes and eukaryotes: structure and function of ORF, tRNA, rRNA, aminoacylsynthetases, Ribosomes, RBS). Process of Translation in prokaryote and eukaryote: Initiation, Elongation & Termination. Concept of genetic code and Wobble hypothesis. Post translational modifications of protein, Protein folding, Protein targeting and degradation, Inhibitors of translation.

Module-III

Regulation of Gene Expressions: Principle of gene regulation: negative and positive regulation, inducer, repressor, co-repressor, activators, co-activators, silencers, insulators, enhancers, DNA binding protein-protein interacting domain of gene regulatory protein. Gene regulation in prokaryote: concept of operon model, (*lac*, *trp* and *ara* operon), Phage regulatory strategy and antitermination in lambda phage. Gene regulation in eukaryotes: DNA looping model, hormonal control of gene expression (steroid and non steroid), regulations at level of translation, riboswitch, gene silencing.

Module – IV

Developmental biology: Gametogenesis, fertilization and embryogenesis, morphogen gradients, differentiation, asymmetric cell division, cell fate and lineage determination; Developmental embryonic stages, zygotic division, incomplete division and consequences; Ecto, meso and endodermal development; Early asymmetric division and generation of symmetry in developing embryo in; organogenesis and morphogenesis, role of apoptosis in organ development; Role of morphogens and their gradient in axis patterning and determination. Concept of antero-posterior, dorso-ventral, and medio-lateral axis formation.

Practical:

1. Understanding components of different kinds of microscopes.
2. Visualization of mitochondria, plastids, and other intracellular structures.
3. Study of different stages of chick embryos
4. Study of mitosis in onion root tips
5. Preparation of different stages of Mitosis and Meiosis
6. Estimation of mitotic index
7. Making competent *E. coli* cells using chemical methods.

8. Estimation of size in bp of DNA using agarose gel electrophoresis.
9. Polyacrylamide gel electrophoresis and estimation of MW of proteins

Text Books/References:

1. Molecular Biology of the Cell: Bruce Alberts, Alexander Johnson, Julian Lewis, Martin Raff, Keith Roberts, Peter Walte; 6th edition New York: Garland Science; 2008.
2. Cell and Molecular Biology-Concepts and Experiments; Gerald Karp et al. John Wiley; 8th edition; 2015.
3. Plant Development: The Cellular Basis (1990 edition) by R. F. Lyndon (Publisher- Springer)
4. Topics in Plant Physiology 3. Series editors M. Black and J. Chapman; Unwin Hyman Ltd, 1990.
5. Plant growth and Development: a molecular approach: DE. Fosket; Academic Press 1994.
6. Developmental Biology (12th Edition) by Michael J.F. Barresi and Scott F. Gilbert (Publisher- Sinauer Associates Inc; 2019).
7. Molecular Cell Biology. 4th edition. Lodish H, Berk A, Zipursky SL, et al. New York: W. H. Freeman; 2000.

BS211

Course Title: Plant Biology

Credit: 2 (L: 1, T: 0, P: 2)

Course Content:

Module I - Plant cells and genomes: Plant cell structure, Structure and organisation of plant genome, regulation of plant genome expression, transcriptional, translational and post transcriptional regulation of plant genome, plant growth regulator. Transposons, chloroplast and mitochondrial genome. (Arabidopsis should be taken as the model for study of plant genome).

Module II – Secondary metabolites - Primary and secondary metabolic products (phytochemicals) of plant cells, Basic strategies and factors for secondary metabolite production, Immobilisation and biotransformation for product development and selection of cell culture (only plant tissue culture products).

Module III - Plant Development; Embryo and seed development. Root and shoot development. Transition from vegetative to reproductive phase and from sporophyte to gametophyte.

Module IV - Interactions of plants with other organisms: Microbial pathogens, pests, parasites, viruses and viroid. Defense mechanism in plants. Useful interactions between plants and organisms.

Practicals:

1. Studying the structure of monocot stem
2. Studying the structure of dicot stem
3. Studying the structure of monocot root
4. Studying the structure of dicot root

5. Dissection of embryo from developing seeds
6. To study the effect of two environmental factors (light and wind) on transpiration by excised twig
7. Separation of Chlorophyll Pigments by Paper Chromatographic Method
8. Detailed study of symptoms of important diseases of vegetable and fruit plants

Text Books/References:

1. Plant Biology. Allison Smith et al. Garland Science, 2010.
2. Botany: An Introduction to Plant Biology, James D. Mauseth.

PS201

Course Title: Technical Seminar

Credit: 1 (L: 0, T: 0, P: 2)

Guidance / Remarks:

- Seminar in-charges shall highlight the significance of technical seminar in the first two sessions and enlighten the students on the utility of these seminars.
- The student has to identify the related topic.
- The slots, titles shall be decided upfront and seminar in charge shall take signatures.
- The same sheet shall be affixed in the respective classrooms and seminar register.
- If any student fails to present his/her seminar on the given slot, to genuine reasons, they may be asked to present in the subsequent slot/week.
- Progress of the seminars need to be reviewed by the concerned HOD once in 15 days.
- The evaluation for technical seminar has to be informed to students and displayed in the classrooms.
- Report and presentation must contain topic, introduction, explanation, diagrams, tables, applications and conclusions.

Semester –IV

PC202

Course Title: Bioprocess Engineering

Credit: 3 (L: 2, T: 0, P: 2)

Module I: 10L

Microbial Growth Kinetics

Media formulation and optimization; Kinetics of microbial growth, substrate utilization and product formation; Sterilization of air and media; Batch, fed-batch and continuous processes; Microbial Culture systems; Media for Industrial fermentations; Media Optimization; Sterilization of Industrial Media; The development of Inocula for Industrial fermentations; Starter Cultures; Downstream Processing and fermentation economics. Oxygen uptake rate in mass transfer correlation, experimental determination of K_{La} values, factors affecting K_{La} value, scale-up principles and its difficulties, scale down

Module II: 10L

Commercial Strain Development & Microbial Processes

Cellular control regulating production of microbial metabolites – Primary and Secondary metabolite – Induced mutation technique – Analogue resistant mutant – Catabolic derepressed mutants – Genetically engineered strain – Protoplast fusion technique. Basic idea on fermentation process, submerged, stationary, solid and semi-solid – with their merits and demerits, Outlines of all microbial processes like productions of organic acids, solvent, antibiotic, polysaccharide, enzymes, vitamins, lipids, pigments, aroma, Classical process may be discussed in details: Wine and spirits; Acetone butanol; Penicillin/Tetracycline/Streptomycin fermentation; Alkaline protease/lipase/amylase; Citric acid; Dextran, xanthan gum.

Module III: 10L

Enzyme Kinetics & Bioreactor

Enzyme catalysis, enzyme kinetics, immobilized enzymes, bioreactors- batch, fed-batch or continuous bioreactors, Immobilized cell systems, solid-state fermentations, energy balance and mass transfer, operation and control of bioreactors (aeration, agitation, heat transfer, scale-up and scale-down), Hollow fiber reactor, membrane reactor, perfusion

Module IV: 5L

Application of Bioprocess Technology

Biofuels, Bioplastics, industrial enzymes, antibiotics; Large scale production and purification of recombinant proteins; Industrial application of chromatographic and membrane based bioseparation methods; Immobilization of biocatalysts (enzymes and cells) for bioconversion processes; Bioremediation-Aerobic and anaerobic processes for stabilization of solid / liquid wastes

Text books:

Practicals

1. Microbial growth kinetics and estimation of cell mass
2. Growth inhibition kinetics
3. Enzyme immobilization techniques
4. Bioconversion using immobilized enzyme preparation
5. Effect of mixing and agitation in bioreactors
6. Mass transfer in immobilized cell
7. Batch Fermentation and Recovery and Assay of Antibiotics (Penicillin/Streptomycin or any enzyme of the institutions choice)
8. Production of Alcohol (Fermentation and Recovery)
 - (i) Using Molasses/ Sugarcane Juice (Batch)
 - (ii) Using Immobilized Mo's (Batch and Continuous)
9. Batch Fermentation of Organic Acid
10. Batch and Immobilized Fermentation of Bacterial/Fungal Enzymes (Amylases / Proteases or any enzyme of the institutions choice) (Fermentation, Recovery and Assay).
11. Solid State Fermentation (Moulds/ Fungus).

Text Books/References:

1. Michael Shuler, Fikret Kargi, Matthew DeLisa, Bioprocess Engineering: Basic Concepts, 3rd Edition
2. Pauline Doran, Bioprocess engineering principles
3. Colin Ratledge, Bjorn Kristiansen, Basic Biotechnology, 2nd Edition, Cambridge University Press, 2001.
4. Roger Harrison et al., Bioseparations Science and Engineering, Oxford University Press, 2003.
5. Bioreaction Engineering, Bioprocess Monitoring (Bioreaction Engineering) by Karl Schügerl

PC204

Course Title: Green Biotechnology and Pollution Abatement

Credit: 2 (L: 2, T: 0, P: 0)

Course Content: Biological Waste Treatment: Biological wastewater treatment: Principles and design aspects of various waste treatment methods with advanced bioreactor configuration: Solid waste management: landfills, recycling and processing of organic residues, minimal national standards for waste disposal.

Biodegradation of Xenobiotic Compounds: Xenobiotic compounds–Definition, examples and sources. Biodegradation- Introduction, effect of chemical structure on biodegradation, recalcitrance, co metabolism and biotransformation. Factors affecting biodegradation, microbial degradation of hydrocarbons.

Biotransformations and Biocatalysts: Basic organic reaction mechanism- Common prejudices against enzymes, advantages & disadvantages of biocatalysts, isolated enzymes versus whole cell systems, biocatalytic application, catalytic antibodies; stoichiometry.

Bioremediation and Bio restoration: Introduction and types of bioremediation, bioremediation of surface soil and sludge, bioremediation of subsurface material, In situ and Ex-situ technologies, phytoremediation- restoration of coal mines a case study. bio restoration: reforestation through micropropagation, use of mycorrhizae in reforestation, use of microbes for improving soil fertility, reforestation of soils contaminated with heavy metals.

Eco-Friendly Bioproducts from Renewable Sources: Fundamentals of composting process: scientific aspects and prospects of biofuel production: bioethanol, biohydrogen and biodiesel; biofertilizers and biopesticides.

Biotechnology in Environment Protection: Current status of biotechnology in environment protection and its future, release of genetically engineered organisms in the environment.

Text Books/References:

1. Environmental Processes I-III, J. Winter, 2nd ed., Wiley Publications
2. Introduction to Wastewater Treatment- R. S. Ramalho, Academic Press.
3. Elements of Water Pollution Control Engineering – O.P. Gupta, Khanna Books.
4. Energy Technology – O.P. Gupta, Khanna Books, 2018.
5. Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd.
6. Environmental Biotechnology, B.C. Bhattacharya & Ritu Banerjee, Oxford Press, 2007.
7. Environmental Biotech, Pradipta Krimar, I.K. International Pvt. Ltd., 2006.
8. Environmental Microbiology & Biotechnology, D.P. Singh, S.K. Dwivedi, New Age International Publishers, 2004.
9. Biodegradation and Bioremediation 1999 (2nd edition). Martin Alexander, Elsevier Science & Technology.
10. Environmental Biotechnology by Bruce Rittmann and Perry McCarty.

PC206

Course Title: Immunology & Immuno-technology

Credit: 3 (L: 2, T: 0, P: 2)

Module 1: 10L Introduction to Immunology:

The origin of Immunology: History and evolution of immune system; Innate immunity; Acquired immunity; Humoral and cell-mediated immunity; Passive transfer of immunity; Primary and secondary lymphoid organs; Structure and function of Antigen; Concept of Epitope, B cell and T cell; Biogenesis or Maturation; Macrophage and other Antigen Presenting Cells (APCs).

Module II: 10L Molecular basis of Immunology:

Structure and function of Antibody; Concept of Isotype, Allotype and Idiotypic; Molecular basis of antibody diversity: DNA rearrangements; variations arising out of V,D,J joining; somatic hypermutation; Class switching; Primary and secondary immune response; Polyclonal and monoclonal antibody; Complement; Antigen-antibody reaction, Basic concepts of Immunodiffusion, RIA and ELISA.

Module III: 10L Major Histocompatibility Complex

(MHC):

Antigen processing and presentation; synthesis of antibody and secretion; HLA; laws of graft rejection; graft versus host reaction; Development of Inbred mouse strain; Blood group classification and Rh factor, Cytokines and other co-stimulatory molecules.

Module IV: 10L Immune response and tolerance:

Regulation of immune response; Immune tolerance; T cell anergy and T cell elimination; Hypersensitivity; Autoimmunity with respect to Myasthenia gravis and Rheumatoid arthritis; AIDS and immunodeficiency; Tumour immunology; vaccines.

Tutorials: Problem-solving exercises related to the 4 modules. Each module: 4 tutorials. Revision: 4L (1 for each module)

Practicals:

- 1) Staining of Blood film
- 2) Blood grouping.
- 3) Preparation of O and H antigen
- 4) Quantitative VIDAL test
- 5) Immunodiffusion in Agar gel
- 6) ELISA- qualitative
- 7) Western blot technique.

Text Books/References:

1. Kuby Immunology by Thomas J. Kindt, Barbara A. Osborne, Richard Goldsby.
2. Principles of Microbiology and Immunology by Harper and Row.
3. Introduction to Medical Immunology by Gabriel Virella.

PC208

Course Title: rDNA technology

Credit: 3 (L: 2, T: 0, P: 2)

Module I: 10L Tools of Recombinant DNA technology:

Restriction & modification enzymes (Restriction enzymes, DNA ligase, Klenow enzyme, T4 DNA polymerase, Polynucleotide kinase, Alkaline phosphatase); **Cloning Vectors:** plasmid, M13 vectors, cosmids, Phagemids, YAC, BAC and MAC; **Expression vectors:** pET vectors, Baculovirus vectors.

Mod-II: 10L Techniques Recombinant DNA technology:

DNA labelling (radioactive and non-radioactive method); DNA sequencing (Maxam & Gilbert, Sangers, pyro-sequencing, shotgun sequencing method); Protein sequencing; RNA sequencing; Southern and northern and western blotting; In-situ hybridization; Site-directed mutagenesis; DNA fingerprinting (RAPD; RFLP, AFLP).

Mod-III: Gene Cloning Methods

Isolation of DNA, mRNA and total RNA; Polymerase chain reactions (PCR) and modified PCR. Genomic and cDNA libraries; Gene isolation; Gene cloning; screening & Expression of cloned gene; Transposons and gene targeting;

Module IV: 10L Application of rDNA technology

Gene transfer technologies, production of insulin, human growth factor; gene therapy (antisense and ribozyme technology), Human genome project and its application. Large scale Gene expression analysis (Microarray for DNA and protein). strategies for genome sequencing. Biosafety.

Tutorials: Problem-solving exercises related to the 4 modules. Each module: 4 tutorials. Revision: 4L (1 for each module)

Practical Exercise:

1. Restriction enzyme digestion of plasmid DNA or lambda DNA
2. Gel purification of RE digested DNA
3. Ligation of DNA fragments with cloning vector pUC18 or pBR322.
3. Preparation of competent cells and Transformation into *E.coli* with recombinant vector.
4. Isolation of recombinants and confirmation of insert DNA in vector.
5. Primer design for PCR and amplification of DNA by PCR.
6. Southern Hybridisation (Demonstration only).

Text Books/References:

1. Principles of Gene Manipulation and Genomics, Primrose & Twyman.
2. Winnacker, Ernst L. (1987), From genes to clones: introduction to gene technology [Gene und Klone] (in German), Horst Ibelgauf (trans.), Weinheim, New York: VCH, ISBN 0-89573-614-4.
3. Modern Genetic Analysis. Griffiths AJF, Gelbart WM, Miller JH, et al. New York: W. H. Freeman; 1999.
4. Molecular Cloning - Sambrook Russel - Vol. 1, 2, 3.
5. Molecular Biology of the Cell. 4th edition. Alberts B, Johnson A, Lewis J, et al. New York: Garland Science; 2002.

PC210

Course Title: Structural Biology

Credit: 3 (L: 2, T: 1, P: 0)

Course Content:

Protein structural biology: Protein sequences, sequence alignment; basic polypeptide stereochemistry, hierarchy in protein folds: secondary structure, tertiary structure, quaternary structure. Chaperones assisted protein production, Thermodynamics of protein stability. Effect of amino acid on protein structure.

Protein structure and analysis: Principles of soluble and membrane protein purification, Phase diagram and separation, crystallization, Use of robotics in crystallization, Space groups and symmetry, structure determination; NMR sample preparation, Sample preparation for Cryo EM, Structure validation and best practices on the use of protein structures from protein data bank; Protein fold-function relationships, Protein Data Bank (PDB) and EM Data Bank, BioMagResBank (BMRB).

Methods for atomic-resolution structure determination: X-ray crystallography, solution- and solid-state NMR spectroscopy, Single particle Cryo Electron Microscopy, X- Ray Free-Electron Laser (XFEL). Anisotropy? Use of Circular Dichroism, Steady-state and time-resolved fluorescence spectroscopy, FRET, Single molecule fluorescence, Electron Paramagnetic Resonance spectroscopy.

DNA and RNA structures: DNA and RNA secondary structures (duplex, triplex, quadruplexes and aptamers), RNA secondary structure prediction.

Structure of Sugars and lipids

Structural dynamics: Dynamics of Protein-RNA complexes; Structure and organization of genomes.

Simulations: Protein functional dynamics, Protein dynamics studies by MD simulations; Protein dynamics studies by biophysical techniques.

Text Books/References:

1. Biophysical Chemistry vol I, II and III by Charles R. Canter and Paul R. Shimmel.
2. Structure and Mechanism in Protein Science by Alan Fersht.
3. Proteins: Structures and Molecular Properties, by Thomas E. Creighton.
4. Introduction to Protein Structure by Branden and Tooze, Garland Science; 2nd edition 1999.
5. Principles of nucleic acid structure, by Stephen Neidle.
6. RNA Sequence, Structure, and Function: Computational and Bioinformatic Methods by Walter L. Ruzzo, Jan Gorodkin, Springer 2014.
7. Crystallography made crystal clear by Gale Rhodes.
8. NMR of Proteins and Nucleic Acids by Kurt Wüthrich.
9. The Art of Molecular Dynamics Simulation by D. C. Rapaport Cambridge University Press; 2nd edition 2004.

PC212

Course Title: Bioinformatics & Computational Biology

Credit: 3 (L: 2, T: 0, P: 2)

Course Content:

Theory:

Module I

General Introduction: To study bioinformatics and its applications.

Biological databases and tools: Nucleotide sequence databases, Protein sequence, structural and functional databases, Patent database, *in silico* tools for DNA technology. Database searching: BLAST and its types, Entrez, Ensembl-Biomart.

Module II

Pairwise Sequence alignment: Pairwise alignment, Dynamic programming, Scoring Matrices, Gaps.

Multiple sequence alignment: Dynamic and heuristic methods, Relevance to inferences about evolution, introduction to molecular phylogeny.

Module III

Phylogenetic analysis: Introduction, Types of Phylogenetic Trees, Methods and Applications. Bootstrap. Genome informatics: Genome sequencing technologies and analysis methods; transcription factor regulation and motif finding.

ModuleIV

Chou Fasman method, Hidden markov model and neural network, Homology Modelling, Motif identification- Pfam, Prosite. Structure visualization methods (eg: RASMOL, CHIME), Molecular modeling (Homology and *Ab initio*) and validation (Procheck, verify3D etc), Docking, Molecular dynamics, Energy calculations, Classical and semi-classical calculations, Quantum mechanical approaches

Practicals:

1. Handling of Biological databases eg: NCBI, EMBL, PDB,
2. Pair wise sequence alignment (EMBOSS and BLAST) and multiple sequence alignment (CLUSTAL W) and phylogenetic analysis (CLUSTAL W)
3. Prokaryotic gene prediction
4. Prediction of secondary and tertiary structure of proteins; structure viewer and analysis.
5. Drug Designing & Finding out Various properties of Drug
6. HMM for sequence analysis
7. Motif and pattern searching in biomolecules
8. DNA and RNA structure prediction
9. Structure superimposition tools for proteins/enzymes
10. Molecular docking interaction

Text Books/References:

1. Jonathan Pevsner. Bioinformatics and Functional Genomics, 2nd Edition. ISBN: 978-0- 470-08585-1.

2. Greg Gibson and Spencer V. Muse. A Primer of Genome Science, Third Edition. ISBN: 978-0-87893-309-9.
3. Essential Bioinformatics, Jin Xiong, Cambridge University Press; 1st edition 2006.
4. Bioinformatics: methods and applications, S. C. Rastogi, PHI learning; 4th edition, 2013.
5. The Dictionary of Genomics, Transcriptomics and Proteomics, Günter Kahl, Willey VCH, 2015.

AU202

Course Title: Environmental Science

Credit: 0 (L: 2, T: 0, P: 0)

Course Content:

Module I General 2L

Basic ideas of environment, basic concepts, man, society & environment, their interrelationship, population growth, definition of resource, types of resource, renewable, non-renewable, potentially renewable, effect of excessive use vis-à-vis population growth, Sustainable Development,

General knowledge of laws, regulations and rules concerning air, water, soil and noise pollution. Familiarity with Environmental protection act. Environmental impact assessment, Bioterrorism

Module II Ecology 3L

Elements of ecology: System, open system, closed system, definition of ecology, species, population, community, ecological components (Biotic and abiotic);

definition of ecosystem- components types and function. Food chain, Food web. Biogeochemical Cycle Oxygen, carbon, Nitrogen, Phosphate, Sulphur.

Biodiversity, Endemic species, Biodiversity Hot-spot, Threats to biodiversity, Conservation of Biodiversity

Module III Air pollution and control 6L

Atmospheric Composition, Green house effects: Global warming and its consequence, Control of Global warming.

Definition of pollutants and contaminants, Primary and secondary pollutants: emission standard, criteria pollutant.

Sources and effect of different air pollutants- Suspended particulate matter, oxides of carbon, oxides of nitrogen, oxides of sulphur, particulate, PAN. Smog, Photochemical smog and London smog. Acid Rain

Depletion Ozone layer: CFC, destruction of ozone layer by CFC

Standards and control measures: Industrial, commercial and residential air quality standard, control measure (ESP. cyclone separator, bag house, catalytic converter, scrubber.

Module IV Water Pollution and Control 6L

Hydrosphere,. Pollutants of water, their origin and effects: River/Lake/ground water pollution: River: DO, 5 day BOD test, Seeded BOD test, BOD reaction rate constants,

Effect of oxygen demanding wastes on river, COD, Lake: Eutrophication [Definition, source and effect].

Water Treatment system [coagulation and flocculation, sedimentation and filtration, disinfection, hardness and alkalinity, softening]

Waste water treatment system, primary and secondary treatments [Trickling filters, rotating biological contractor, Activated sludge, sludge treatment, oxidation ponds] tertiary treatment definition.

Module V Land Pollution 3L

Lithosphere

Solid Waste: Municipal, industrial, commercial, agricultural, domestic, pathological and hazardous solid wastes; Recovery and disposal method- Open dumping, Land filling, incineration, composting, recycling.

Solid waste management and control (hazardous and biomedical waste).

Text Books/References:

1. S.C. Sharma & M.P. Poonia, Environmental Studies, Khanna Publishing House, New Delhi.
2. C.N.R.Rao, Understanding Chemistry, Universities Press (India) Pvt. Ltd., 2011.
3. Arceivala, Soli Asolekar, Shyam, Waste Water Treatment for Pollution Control and
4. Reuse, Mc-Graw Hill Education India Pvt. Ltd., New York, 2007, ISBN: 978-07-062099-
5. Nazaroff, William, Cohen, Lisa, Environmental Engineering Science, Wiley, New York, 2000, ISBN 10: 0471144940.
6. O.P. Gupta, Elements of Environmental Pollution Control, Khanna Publishing House, New Delhi
7. Rao, C. S., Environmental Pollution Control and Engineering, New Age International Publication, 2007, ISBN: 81-224-1835-X.
8. Rao, M. N. Rao, H.V.N, Air Pollution, Tata Mc-Graw Hill Publication, New Delhi, 1988, ISBN: 0-07-451871-8.
9. Frank Kreith, Jan F. Kreider, Principles of Solar Engineering, McGraw-Hill, New York; 1978, ISBN: 9780070354760.
10. Aldo Vieira, Da Rosa, Fundamentals of renewable energy processes, Academic Press Oxford, UK; 2013. ISBN: 9780123978257.
11. Patvardhan, A.D, Industrial Solid Waste, Teri Press, New Delhi, 2013, ISBN: 978-81- 7993-502-6
12. Metcalf & Eddy, Waste Water Engineering, Mc-Graw Hill, New York, 2013, ISBN: 077441206.
13. Keshav Kant & Rajni Kant, Air Pollution & Control, Khanna Publishing House, New Delhi (Edition 2018)

Open source software and website address:

1. www.eco-prayer.org
2. www.teriin.org
3. www.cpcp.nic.in
4. www.cpcp.gov.in
5. www.indiaenvironmentportal.org.in

6. www.whatis.techtarget.com
7. www.sustainabledevelopment.un.org
8. www.conserve-energy-future.com

HS202

Course Title: Engineering Economics

Credit: 2 (L: 2, T: 0, P: 0)

Course Content:

- **Introduction:** Definition – Nature – Scope and Significance of Economics for Engineers.
- **Demand and Supply:** Demand – Types – Determinants – Law of Demand – Elasticity of Demand – Types – Significance – Supply – Market price determination – Case Study in Demand Forecasting – Meaning – Methods – Consumer Survey – Trend Projections – Moving average.
- **Cost and Revenue:** Concepts – Classifications – Short run and long run cost curves – Revenue – Concepts – Measurement of Profit (Case Study).
- **Market Structure:** Perfect Competition – Characteristics – Price and output determination in short run and long run – Monopoly – Price Discrimination – Monopolistic Competition – Product Differentiation – Oligopoly and Duopoly.
- **Market Failure:** Causes – Type of Goods – Rivalrous and Non-rivalrous goods – Excludable and Non-excludable goods – Solutions – Government Intervention.
- **Money and Banking:** Money – Functions – Quantity theory of money – Banking – Commercial Banks – Functions – Central Bank (RBI) – Functions – Role of Banks in Economic Development.
- **Foreign Exchange:** Balance of Payments – Exchange rate determination – Methods of foreign payments – International Institutions – IMF, IBRD.
- **Business Cycle and National Income:** Meaning – Phases of business cycle – Inflation – Causes – Control measures – Deflation – National Income – Concepts – Methods of calculating national income – Problems in calculating national income.

Text Books:

1. Premvir Kapoor, “Sociology & Economics for Engineers”, Khanna Publishing House, 2018.

2. Dewett. K.K., Navalur M. H., “Modern Economic Theory”, S. Chand and Company Ltd, New Delhi, 24th Edn., 2014.
3. Lipsey & Chrystal, “Economics”, Oxford University Press, 2010.

References:

1. Paul A Samuelson & William, “Economics”, Tata McGraw Hill, New Delhi, 2012.
2. Francis Cherinullem “International Economics”, McGraw Hill Education, 2011.
3. William A McEachern and Simrit Kaur, “Micro ECON”, Cengage Learning, 2013.
4. William A McEachern and Indira A., “Macro ECON”, Cengage Learning, 2014.

Semester – V

HS301

Course Title: Entrepreneurship & Startups

Credit: 2 (L: 1, T: 1, P: 0)

Course Content:

Unit 1: Introduction to Entrepreneurship and Start – Ups

- Definitions, Traits of an entrepreneur, Intrapreneurship, Motivation
- Types of Business Structures, Similarities/differences between entrepreneurs and managers.

Unit 2: Business Ideas and their implementation

- Discovering ideas and visualizing the business
- Activity map

- Business Plan

Unit 3: Idea to Start-up

- Market Analysis – Identifying the target market,
- Competition evaluation and Strategy Development,
- Marketing and accounting,
- Risk analysis

Unit 4: Management

- Company's Organization Structure,
- Recruitment and management of talent.
- Financial organization and management

Unit 5: Financing and Protection of Ideas

- Financing methods available for start-ups in India
- Communication of Ideas to potential investors – Investor Pitch
- Patenting and Licenses

Unit 6: Exit strategies for entrepreneurs, bankruptcy, and succession and harvesting strategy.

Text Books/References:

S. No.	Title of Book	Author	Publication
1	The Startup Owner's Manual: The Step- by-Step Guide for Building a Great Company	Steve Blank and Bob Dorf	K & S Ranch ISBN – 978-0984999392
2	The Lean Startup: How Today's Entrepreneurs Use Continuous Innovation to Create Radically Successful Businesses	Eric Ries	Penguin UK ISBN – 978-0670921607

3	Demand: Creating What People Love Before They Know They Want It	Adrian Slywotzky with J. Karl Weber	Headline Book Publishing ISBN – 978-0755388974
4	The Innovator's Dilemma: The Revolutionary Book That Will Change the Way You Do Business	Clayton Christensen M.	Harvard business ISBN: 978-142219602

Websites:

1. <https://www.fundable.com/learn/resources/guides/startup>
2. <https://corporatefinanceinstitute.com/resources/knowledge/finance/corporate-structure/>
3. <https://www.finder.com/small-business-finance-tips>
4. <https://www.profitbooks.net/funding-options-to-raise-startup-capital-for-your-business/>

PC301

Course Title: Metabolic Engineering

Credit: 3 (L: 2, T: 0, P: 2)

Course Content:

Module 1: Introduction to metabolic engineering and its importance:

Introduction to metabolism, catabolism, anabolism. Key differences between metabolic controls of prokaryotes and eukaryotes. Stoichiometry of cellular reactions, enzyme kinetics, reaction rates, dynamic mass balance, yield coefficients and linear rate equations, the black box model, elementary balance, heat balance different models for cellular Reactions-Induction-Jacob Monod Model and its regulation, differential regulation by isoenzymes, concerted or cumulative feedback regulation. Regulation in branched pathways, permeability and transport of metabolites.

Module 2: Metabolic flux analysis:

Building stoichiometric matrix; Steady state and pseudo steady state assumptions; Using different optimizing functions to solve linear programming problem; understanding flux cone and constraints; Introducing additional constraints from thermodynamics; C13 labeling, NMR and GC-MS based methods for flux determination.

Module 3: Energetics of cellular processes:

Thermodynamics of cellular processes, Metabolic design: Gene amplification, Gene-disruption, Randomized and targeted strain development

Module 4: Industrial applications

pathway engineering strategies for overproduction of some commercially important primary and secondary metabolites (e.g. amino acids, organic acids, alcohols and therapeutic compounds) or industrially relevant enzymes and recombinant proteins, bioconversion- applications and factors affecting bioconversion, mixed or sequential bioconversions, regulation of enzyme production, strain selection and improvement, the modification of existing or the introduction of entirely new metabolic pathways

Practicals

- Develop engineering strategies to boost production of industrially relevant compound in *E. coli*.
- Determination of metabolic condition and the product produced by modeled organism
- Demonstration of feed-back regulation and product inhibition

Text Books/References:

1. Metabolic Engineering: Principles and Methodologies by Gregory N. Stephanopoulos, Aristos A. Aristidou, and Jens Nielsen.
2. Pathway Analysis and Optimization in Metabolic Engineering by Néstor V. Torres and Eberhard O. Voit.
3. The Metabolic Pathway Engineering Handbook by Christina D. Smolke.
4. Biochemical Engineering by Harvey W. Blanch and Douglas S. Clark.

Course Title: Analytical Techniques

Credit: 3 (L: 2, T: 0, P: 2)

Course Content:

Module I: 10L-

Advanced discussion I

Methods for study of biomolecule structure: X-ray diffraction and X-ray crystallography, optical, UV/visible, IR luminescence, fluorescence and circular dichroism spectroscopy, Nuclear magnetic resonance spectroscopy, Raman spectroscopy and electron microscopy (SEM and TEM), Mass Spectroscopy Two dimensional electrophoresis (2-D PAGE): Protein pre-fractionation and sample preparation, IEF, SDS-PAGE, visualization of protein spot. Protein identification by mass spectrometry: ESI-TOF, MALDI-TOF

Module II: 10L

Advanced Discussion II

Differential thermal analysis: Principle, Instrumentation and applications,

differences between DSC and ITC. Applications of DSC (Inorganic and Polymer samples). Introduction to steps of Protein design and Engineering, protein splicing and its application; Solid phase peptide synthesis. Folding Rate, Molten globule; Techniques for studying of protein folding, Protein folding errors: Alzheimer's, prions and Mad Cow (BSE, CJD), Cystic Fibrosis and cancer; application of protein folding to design new drug

Module III: 10L

Techniques Involved in Separation Processes

Foam-fractionation; Solvent extraction of bio-processes, aqueous two-phase extraction, adsorption-desorption process; Salt precipitation; Chromatographic separation based on size, charge hydrophobic interactions and metal ion affinity. HPLC, Affinity chromatography, inhibitors: their preparation and uses, method of linkages, Protein Precipitation.

Module IV: 10L

Membrane based separation processes

Micro-filtration, Reverse osmosis, Ultrafiltration and affinity ultrafiltration, concentration polarization, rejection, flux expression, membrane modules, dead-ended and cross-flow mode, material balances and numerical problems, biological applications.

Practicals

1. Measurement of excitation and emission spectra of a fluorophore and their wavelengths for maximum excitation and emission
2. Purification of a compound from a mixture using chromatographic techniques
3. Protein purification & quantification using spectroscopic techniques
4. Carbohydrate and nucleic acid estimation using spectroscopic techniques

Text Books/References:

1. Biophysical Chemistry, Vol II by Charles R. Canter and Paul R. Shimmel.
2. Protein Purification: Principles and Practice by Robert K. Scopes (Narosa).
3. Principles of Fluorescence Spectroscopy by Joseph R. Lakowicz.
4. Infrared Spectroscopy Fundamentals and Applications by Barbar Stuart.
5. Raman Spectroscopy for Chemical Analysis by RICHARD L. McCREERY.
6. NMR spectroscopy by Harald Gunther (John Wiley).
7. Mass Spectrometry Basics by Christopher G. Herbert and Robert W. Johnstone.
8. Chromatographic methods by A Braithwaite and F. J. Smith (Kluwer Academic Publishers).

PC305

Course Title: Cheminformatics & Medicinal Chemistry

Credit: 3 (L: 2, T: 0, P: 2)

Course Content

Module I (10L)

Introduction Introduction to drug designing, drug design to discovery and development, drug metabolism, toxicity and pharmacokinetics, toxicology considerations, problems and drawbacks on drug discovery and development.

Module II: 5L

Identification and validation strategies Drug Target classification, identification and validation strategies, Design and development of combinatorial libraries for new lead generation. Structure-based design – ‘de novo’ design methodologies 3D-database searching techniques, docking.

Module III: 10L

Rational basis of drug designing, criteria for synthesizing drugs, Drug designing approaches- Pharmacophore based drug design- lead and target tissues, lead finding and lead optimization, action and reaction, Structure based drug design process of Structure based design, Receptor based design-drug designing using known receptor structure, design of energy inhibitors,

Module IV: 10L

QSAR: Statistical techniques behind QSAR, classical QSAR, molecular descriptors 3D QSAR and COMFA. Basic principles of molecular modeling, molecular dynamics simulation techniques.

Practicals

1. Drug Designing & Finding out Various properties of Drug
2. ADME analysis of drugs
3. Docking Interaction studies
4. Cell cytotoxicity measurements via online softwares

Text Books/References:

1. Muthukumarasamy Karthikeyan and Renu Vyas. Practical chemoinformatics. Springer, soft-cover ISBN9788132234913, 2014.
2. Silverman, Richard B., and Mark W. Holladay. The organic chemistry of drug design and drug action. Academic Press, 2014.
3. Bajorath, Jurgen. Chemoinformatics for Drug Discovery. John Wiley & Sons, 2013.
4. Cramer, C.J., Essentials of Computational Chemistry, 2nd Ed., John Wiley & Sons Ltd., 2004.
5. Essentials of Foye's Principles of Medicinal Chemistry – 2016.

6. An Introduction to Medicinal Chemistry, by Graham L. Patrick.
7. Medicinal Chemistry by Ashutosh Kar.

PC307

Course Title: Good Manufacturing and Laboratory Practice

Credit: 3 (L: 2, T: 1, P: 0)

Module 1: Introduction and guidelines to Good Manufacturing and Laboratory Practice, Requirement of GLP and GMP compliance for regulatory approval, Ethics in manufacturing and control, Principles of quality control and laboratory design. Relation between Bioethics in GLP/GMP certified Biotechnology Labs (R&D).

Module2: Introduction to the concept of Design of Experiment (DOE) Application of QBD principles in Biotech product development. Case studies: Example of QBD and DOE in Process Development, Example of DOE in analytical development. Importance of ethical laws, Quality control and manpower associated with GMP.

Module 3: Introduction to ICH guidelines and their usage, National and international regulatory authorities and their function, Pharmaceutical GLP & GMP in India, requirements, examples, Training program for GLP/GMP. Limitations and costs in developing countries. Present scenario in India.

Module 4: Jurisprudence and Laws related to Product design, Drug Development & Approval Process, Regulation of Clinical and Preclinical Studies, Good Manufacturing Practices, Formulation Production Management, Authorization and marketing of drugs. Computer simulation on process design, Examples of GMP/GLP certified labs/industries and products associated with it.

Text Books/References:

1. cGMP starter guide: Principles in Good Manufacturing Practices for Beginners, Emmet P. Tobin, Createspace Independent Publishing Platform, April 2016.
2. Good Manufacturing Practices for Pharmaceuticals: GMP in Practice, B Cooper, Createspace Independent Publishing Platform, July 2017.
3. Sarwar Beg and Md Saquib Hasnain, Pharmaceutical Quality by design: Principles and application, Academic press, March 2019.

4. Ron S. Kenett, Shelemyahu Zacks, Daniele Amberti, Modern Industrial Statistics: with applications in R, MINITAB and JMP, 2nd Edition, Wiley, January 2014.
5. N Politis S, Colombo P, Colombo G, M Rekkas D. Design of experiments (DoE) in pharmaceutical development, Drug Dev Ind Pharm. 2017 Jun;43(6):889-901. doi: 10.1080/03639045.2017.1291672.
6. Andrew Teasdale, David Elder, Raymond W. Nims, ICH quality guidelines- An implementation guide, Dec 2017.
7. Gajendra Singh, Gaurav Agarwal and Vipul Gupta, Drug regulatory affairs, CBS publication, 2005.
8. Marc P. Mathieu, New Drug Development: A regulatory overview, Nov 2000.
9. ICH guidelines available in the official website "<https://www.ich.org>".

PE305

Course Title: Biosimilars Technology

Credit: 5 (L: 3, T: 1, P: 2)

Course Content:

Module 1: Introduction to Biopharma

Generics in Biopharma, definition of biologics, biosimilars, super biologics, differences between chemical genetics and biosimilars, The developmental and regulatory challenges in biosimilar development, Prerequisites for Biosimilar development, Biosimilar market potential.

Module 2: Types of biosimilar drugs

Use of Peptides, proteins, antibodies, Enzymes, Vaccines, Nucleic acid based therapies (DNA, RNA, etc), Cell based therapies (including stem cells) as biosimilar drugs

Module 3: Characterization methods

Aggregation- precipitation, floccule strength, precipitate ageing & kinetics, adsorption of proteins & peptides on surfaces, effect of temperature on protein structure, hydration & thermal stability of proteins - solid powders, suspension on non-aqueous solvents, reversed micelles, aqueous solution of polyols, analytical and spectrophotometric characterization of proteins, protein sequencing and structure determination Biomarkers in disease diagnostics: FDA definition of disease markers, Role of markers in Disease diagnosis. Approaches and methods in the identification of disease markers, predictive value, diagnostic value, emerging blood markers for sepsis, tumour & cancer markers, markers in inflammation and diagnosis of cytoskeletal disorders.

Module 4: Bioequivalence studies

Immunogenicity & allergenicity of biosimilars; factors affecting immunogenicity - structural, post-translational modifications, formulations, impurities, manufacturing and formulation methods for biosimilars; types of bioequivalence (average, population, individual), experimental designs & statistical considerations for bioequivalence studies (Non-replicated designs – General Linear Model, Replicated crossover designs), introduction to “ORANGE BOOK” & “PURPLE BOOK”.

Module 5: Case studies
Indian companies working in this space & their product pipeline (Biocon, Intas, Dr Reddy’s, Reliance, Bharat Biotech, Lupin, Cipla, Shanta, etc); products - Erythropoietin, growth hormone, granulocyte stimulating factors, interferons, streptokinase, monoclonal antibodies.

Practicals:

Assay of biosimilar equivalent and reference paracetamol drug

Assay of biosimilar equivalent and reference anti allergic drug

Assay of biosimilar equivalent and reference vitamin supplement

Assay of biosimilar equivalent and reference antibiotic drug

Effect of temperature and pH on stability studies of biosimilar equivalent and reference drug.

Text Books/References:

1. Laszlo Endrenyi, Paul Declerck and Shein-Chung Chow, Biosimilar Drug Development, Drugs and Pharmaceutical Sciences, Vol 216, CRC Press.
2. Cheng Liu and K. John Morrow Jr., Biosimilars of Monoclonal Antibodies: A Practical Guide to Manufacturing, Preclinical and Clinical Development, Wiley, Dec 2016.
3. <https://www.drugs.com/medical-answers/many-biosimilars-approved-united-states-3463281/>

OS307

Course Title: Biomaterials

Credit: 5 (L: 3, T: 1, P: 2)

Module I

Definition of biomaterials – biologically derived materials or materials compatible with biology. Common biomaterials: some proteins, many carbohydrates and some specialized polymers. Collagen (protein in bone and connective tissues): Structure production and its use. Fibroin (protein in silk): Production and its use. Production of these proteins by conventional cloning methods.

Module II:

Carbohydrates: Modified carbohydrates act as lubricants for biomedical applications; Polydextrose made from bacteria; Carbohydrates modified from enzymes; artificial wood.

Module III:

Biopolymers: Synthesis from a simple biological monomer (eg hyaluronate polymers); Dextrans (used in chromatography columns); Rubberlike materials produced by bacteria and fungi (Polyhydroxybutyrate PHB), Polycaprolactone (PCL); Production of a copolymer of PHB and PHV (polyhydrovaleric acid), sold as Biopol by fermentation on *Alcaligenes eutrophus*; Biodegradable polymers

Module IV:

Industrial biopolymers: Production of polyphenol resins by the enzyme soybean peroxidase; Evaluation of the properties of biopolymers to make good biomaterials; Tensile strength (both elasticity and breaking strength); Hydration, visco – elastic properties; viscosity

Laboratory Work:

1. Investment Casting of metal in foundry.
2. Wet chemical synthesis of hydroxyapatite (HA) $[\text{Ca}_{10}(\text{PO}_4)_6(\text{OH})_2]$: Calcium Hydroxide and Orthophosphoric Acid Calcium Nitrate, Diammonium Hydrogen Phosphate and Ammonium Hydroxide.
3. Preparation of alumina dense and porous body.
4. Preparation of Hydroxyapatite dense and porous body.
5. Preparation of Dental crown, Acetabular cup and femoral head.
6. Preparation of bioglass foam and flake.
7. Metallography: Polishing of metal and ceramics, etching, microstructure evaluation using SEM, Optical microscopy.
8. XRD analysis.
9. Polymerization of methyl methacrylate, acrylate, acrylamide, Cross Linking, Rubber blending, vulcanization of rubber.

10. Preparation of composite using organic monomer-crosslinker and filler hydroxyapatite/alumina/silica nanopowder.
11. Mechanical testing of metal, Ceramics and polymer (Tensile test for metal and polymer, Bending and crushing strength of ceramics dense component and porous component), Micro hardness testing.
12. Preparation of Ceramics nano fiber and their use in the fabrication of composite dental filler, Mechanical properties evaluation.
13. Metal Titanium: Surface modification; characterization of surface modified Ti; osteo conduction study; in vitro and in vivo study.

Text Books/References:

1. Biomaterials Science - An Introduction to Materials in Medicine, Buddy Ratner Allan Hoffman Frederick Schoen Jack Lemons, ISBN: 9780080470368, Academic Press, Published Date: 18th August 2004.
2. Biomaterials: An Introduction- J. Bo. Park.
3. Materials Science and Engineering- Callister.
4. Materials for Medical Engineering- Euromat 99 vol-2.

AU301

Course Title: Indian Constitution

Credit: 0 (L: 2[^], T: 0, P: 0)

Course Content

Unit 1: The Constitution - Introduction

- The History of the Making of the Indian Constitution
- Preamble and the Basic Structure, and its interpretation
- Fundamental Rights and Duties and their interpretation
- State Policy Principles

Unit 2 – Union Government

- Structure of the Indian Union
- President – Role and Power

- Prime Minister and Council of Ministers
- Lok Sabha and Rajya Sabha

Unit 3 – State Government

- Governor – Role and Power
- Chief Minister and Council of Ministers
- State Secretariat

Unit 4 – Local Administration

- District Administration
- Municipal Corporation
- Zila Panchayat

Unit 5 – Election Commission

- a. Role and Functioning
- b. Chief Election Commissioner
- c. State Election Commission

Suggested Learning Resources:

S. No.	Title of Book	Author	Publication
1	Ethics and Politics of the Indian Constitution	Rajeev Bhargava	Oxford University Press, New Delhi, 2008
2	The Constitution of India	B.L. Fadia	Sahitya Bhawan; New edition (2017)
3	Introduction to the Constitution of India	DD Basu	Lexis Nexis; Twenty-Third 2018 edition

Suggested Software/Learning Websites:

1. <https://www.constitution.org/cons/india/const.html>
2. <http://www.legislative.gov.in/constitution-of-india>
3. <https://www.sci.gov.in/constitution>
4. <https://www.toppr.com/guides/civics/the-indian-constitution/the-constitution-of-india/>

PS301

Course Title: Summer Internship – I

Credit: 2 (L: 0, T: 0, P: 4)

Guidance/Remarks:

Note: *Internship needs to be done in Summer Break after Semester - IV and will be considered for evaluation in Semester - V.*

Semester –VI

PC302

Course Title: Bioseperation Engineering

Credit: 3 (L: 2, T: 0, P: 2)

Module I: 10L Basic Concepts

Basic concepts of Bio-separation Technology, Separation characteristics of proteins and enzymes – size, stability, properties; purification methodologies Characteristics of bio- products; Flocculation and conditioning of broth, overview of reaction processes involved in separation, numerical examples illustrating the process. Mechanical separation processes; Filtration at constant pressure and at constant rate; empirical

equations for batch and continuous filtration, centrifugal and cross-flow filtration, Centrifugation: basic principles, design characteristics; ultracentrifuges: principles and applications.

Module II: 10L Techniques Involved in Separation Processes

Foam-fractionation; Solvent extraction of bio-processes, aqueous two-phase extraction, adsorption-desorption process; Salt precipitation; Chromatographic separation based on size, charge hydrophobic interactions and metal ion affinity. HPLC, Affinity chromatography, inhibitors: their preparation and uses, method of linkages, Electrophoresis

SDS-PAGE (Polyacrylamide Gel), horizontal and vertical type, methods, case studies.

Module III: 10L Membrane based separation processes

Micro-filtration, Reverse osmosis, Ultrafiltration and affinity ultrafiltration, concentration polarization, rejection, flux expression, membrane modules, dead-ended and cross-flow mode, material balances and numerical problems, biological applications.

Module IV: 10L Industrial Applications

Industrial aspects of separation of biomolecules, Material balances, mathematical analysis and modeling, relative advantages and disadvantages of separation methods, Case studies

Practicals:

1. Isolation of the plant cell organelles using centrifugation methods.
2. Isolation and separation of the DNA, RNA and proteins using centrifugation and biochemical methods.
3. Separation of the proteins with suitable chromatography methods.
4. Apply filtration and ultrafiltration method for separation of proteins.
5. Use TLC for separation of the biolipids.
6. Isolation of the photosynthetic pigments using centrifugation methods.

Text Books/References:

1. Molecular Cloning - Sambrook Russel - Vol. 1, 2, 3.
2. Fat Detection: Taste, Texture, and Post Ingestive Effects. Montmayeur JP, le Coutre J, editors. Boca Raton (FL): CRC Press/Taylor & Francis;

- 2010.
3. Biochemistry. 5th edition. Berg JM, Tymoczko JL, Stryer L. New York: W H Freeman; 2002.

PC304

Course Title: Synthetic & Systems Biology

Credit: 4 (L: 3, T: 0, P: 2)

Course Content:

Module 1: Introduction to Synthetic biology & Systems biology

Introduction to synthetic biology. Background of Gene Regulatory Mechanisms (Gene Parts- Gene Structure, Promoters, Terminators, Enhancers, Inducers, Repressors, Transcription Factors, Co-factors, transcriptional and post-transcriptional regulation, post-translational modifications). Genetic Engineering and Genome Editing, Various Omics & role in systems biology - genomics, proteomics, transcriptomics, metabolomics

Module 2: Elements of synthetic biology - Tools, circuits

Gene shuffling for large scale pathway assembly and engineering; Choices for microbial hosts for industrial applications– bacteria, yeast, insect. Gene editing methods–CRISPR/ Cas; Gene sequencing–Pyrosequencing, Nanopore sequencing. Microarrays & systems biology - a basic introduction

Module 3: gene expression & Introduction to metabolic databases

Noise in Gene Expression. Biosensors, Introduction to various metabolic pathway databases.

Module 4: Commercial Applications

Biomedicine, Biomaterials, Biofuels and Bioremediation; Production of artemisinin as case study. Building the new bio-economy. Introduction to Biofoundries & circuits. Role of automation and robotics in biofactories; Green chemistry - use of plants for engineering biologics & small molecules. Biosurfactants as an example of microbial cell factory based production. Global events & competitions-iGEM, synbiobeta.

Practicals:

1. Introduction to various bio-design software.
2. Design and construction of a biosensor.
3. Gene circuit design and engineering.
4. Metabolic pathway determination online servers

Text Books/References:

1. Uri Alon, An Introduction to Systems Biology: Design Principles of Biological Circuits, Chapman & Hall/CRC (2006).
2. Eric Davidson, The Regulatory Genome: Gene Regulatory Networks In Development And Evolution, Academic Press (2006).
3. Hamid Bolouri, Computational Modeling of Gene Regulatory Networks - A Primer, Imperial College Press (1st edition) (2008).
4. Freemont, P.S and Kitney, R.I. (2012). Synthetic Biology – a Primer. World Scientific Publishing Co pte Ltd
5. Singh, V and P.K. Dhar. (2015). Systems and Synthetic Biology. Springer publishing, Netherlands
6. Fu, P and Panke, S (2009). Systems Biology and Synthetic Biology. Wiley Publishing.
7. Covert, M.W. (2014). Fundamentals of Systems Biology: from Synthetic Circuits to Whole Cell Models. CRC Press
8. Konopka, A.K. (2006). Systems Biology: Principles, Methods, and Concepts. CRC Press.
9. Church, G and Regis, E. (2012). Regenesi s: How Synthetic Biology will Reinvent Nature and Ourselves. Basic Books.
10. Standards for Plant Synthetic Biology - <http://onlinelibrary.wiley.com/doi/10.1111/nph.13532/full>
11. Synthetic and Systems Biology for Microbial production of Commodity Chemicals -
12. <http://www.nature.com/articles/npjsba20169>.
13. Biotechnology and Synthetic Biology Approaches for Metabolic Engineering of Bioenergy Crops - <https://www.ncbi.nlm.nih.gov/pubmed/27030440>.
14. Microarray Data Analysis: Gene Expression Data Analysis. A Beginner's Guide by: Helen Causton (Imperial College), J Quackenbush and Alvis Brazma (The European Bioinformatics Institute).
15. A Practical Approach to Microarray Data Analysis (Hardcover) by Daniel P. Berrar (Editor), Werner Dubitzky (Editor), Martin Granzow (Editor).

PC306

Course Title: Animal & Plant Biotechnology

Credit: 4 (L: 2, T: 0, P: 4)

Course Content:

Module I: 10L Animal cell culture and Animal Biotechnology

Introduction to cell culture, primary cell culture, Development of cell line by enzymatic disaggregation, Culture media and growth conditions, differentiation. Cell type and characterization, cryopreservation; cryopreservation; Common cell culture contaminants. Application of animal cell culture in: Cytotoxicity and viability assays; Embryo transfer: Artificial insemination, Superovulation, Embryo transfer, In vitro fertilization-Pregnancy diagnosis-Sexing of embryos, Embryo splitting; Cryopreservation of embryo;

Module II: 10L Growth and scale up of animal cell and Application of Animal Biotechnology:

Animal cell growth characteristics and kinetics; Cell culture reactors; Scale-up in suspension; Scale and complexity; Mixing and aeration; Rotating chambers; Perfused suspension cultures; Fluidized bed reactors for suspension culture; Scale-up in monolayers; Multisurface propagators; Multiarray disks, spirals and tubes; Roller culture; Micro-carrier attached growth; Cell culture in continuous, perfusion and hollow fibre reactor; Microencapsulation; Growth monitoring; Mass Organ culture technology; Tissue engineering and its application –production of complete organ - kidney – eyes - heart – brain; Immune system in health and disease, tissue and organ transplant, Vaccinology, Regenerative medicine. Biotechnology in animal production: Manipulation of Growth hormone -somatotrophic hormone-Thyroid hormone; Probiotics as growth promoters-Ideal characteristics of probiotics, Mode of action-uses of probiotics-Manipulation of lactation –Lactogenesisgalactopoiesis- Manipulation of wool growth-Manipulation of rumen microbial digestive system

Module III: Plant tissue culture and crop development

History of plant tissue culture, plasticity and totipotency..Sterilization methods used in plant tissue culture.Types of nutrient media and plant growth regulators in plant regeneration. Pathways for in vitro regeneration: organogenesis, somatic and gametic embryogenesis; protoplast isolation, culture and

regeneration; culture of other explants, somatic hybridization; Haploid and triploid production and their applications. Genetic fidelity of plants raised through tissue culture. Applications of micro-propagation, meristem culture, embryo rescue, somaclonal and androclonal variations. Application of tissue culture for crop improvement. Production of bio active secondary metabolites by plant tissue culture. The need of crop improvement. Conventional methods of crop improvement, selection, mutation, polyploidy and clonal selection.

Module IV: Principles and methods of genetic transformation and Genome editing:

Introduction to *Agrobacterium* biology and biotechnology. Mechanism of T-DNA transfer to plants and Agro infection. Methods for direct gene transfer, Marker and reporter genes; Promoters used in plant vectors. Plant viral vectors, social and legal issues associated with transgenic plants. Case studies for genetic engineering in plants for traits of agronomic value, biotic, abiotic stresses and herbicide tolerance. Transgenic crops for production of antibodies, viral antigens and peptide hormones in plants, Plant Biotechnology for biofuels. Discovery of CRISPR-Cas system and its applications. Recent innovations in the technology and case studies where CRISPR- Cas has been used for plant improvement

Practicals:

1. Preparation of reagents and media for cell culture
2. Cell counting and plating
3. Determination of common cell culture contaminants
4. Cell Viability Assay(MTT reagent)
5. Cell Cytotoxicity Assay (Trypan Blue Assay)
6. Preparation and sterilization of standard tissue culture media.
7. Sterilization of explants and generation of undifferentiated mass of cells. Regeneration of plants from undifferentiated cells.
8. *Agrobacterium* mediated transformation of plants.
9. Analysis of crude extracts from medicinal plants using HPLC.
10. Use of microsatellite markers for DNA fingerprinting.

Text Books/References:

1. Culture of Animal Cells by R.I. Freshney.
2. Animal Cell Biotechnology 2007, Humana Press by Portner R.
3. Basic Cell Culture Second Edition, Oxford University Press by Davis, J.M.
4. Principles of Plant Genetics and Breeding by George Acquaah 2007. Blackwell Publishing.
5. An introduction to Plant Tissue culture by M.K. Razdan. M.K. 2003. Oxford & IBH Publishing Co, New Delhi, 2003.
6. Plant Biotechnology: An Introduction to Genetic Engineering by Adrian Slater, Nigel W. Scott, Mark R. Fowler. Oxford University Press, 2008.
7. Biochemistry & Molecular Biology of Plants. Bob Buchanan, Wilhelm Gruissem, Russell Jones. John Wiley & Sons, 2002.

PE304

Course Title: Waste Management & upcycling

Credit: 5 (L: 3, T: 1, P: 2)

Course Content:

UNIT I

Waste management: The definition of waste, and its classification in the context of EU legislation, policy and other drivers for change, including the planning and permitting regime for the delivery of waste management solutions

Liquid waste collection, treatment and disposal systems: Segregation and mixing schemes; Pre-treatment and its role in the industrial wastewater management; Overview of wastewater treatment technologies and development of wastewater treatment schemes; Operation and maintenance of effluent treatment plants; and Case study of an industrial wastewater management system.

Air Pollution management and treatment: Overview of industrial emissions; Air pollution control systems and overview of air pollution control technologies; Development of schemes for the collection, treatment and discharge of industrial emissions;

UNIT II

Technologies for Waste treatment technologies: waste incineration and energy from waste, pyrolysis and gasification, anaerobic digestion, composting and mechanical biological treatment of wastes, managing biomedical waste.

UNIT III

Health considerations in the context of operation of facilities, handling of materials and impact of outputs on the environment; Advances in waste recycling and recovery technologies to deliver added value products; Landfill engineering and the management of landfill leachate and the mining of old landfills.

Interface of waste and resource management and civil engineering in the context of sustainable waste management in global cities and developing countries; and Use of decision support tools including multi-criteria analysis, carbon foot-printing and life- cycle analysis, as appropriate.

UNIT IV

Waste Upcycling, waste reuse, Waste down cycling, waste upcycling a social enterprise, Case study in each area. Innovative technologies for sustainable waste management.

Practicals:

Physical Examination of Pond Water

To determine calcium and magnesium hardness of a given water sample separately

To determine chloride ion in a given water sample by Argentometric method (using chromate indicator solution)

Estimation of Dissolved Oxygen by Winkler Iodometric Method

Determination of Biochemical Oxygen Demand (BOD₃) by Dilution Method

Estimation of Chemical Oxygen Demand

Estimation of Total Available Phosphate

Text Books/References:

1. O.P. Gupta, “Elements of Solid & Hazardous Waste Management”, Khanna Publishing House, New Delhi, 2019.
2. George Tchobanoglous et.al., “Integrated Solid Waste Management”, McGraw-Hill Publishers, 1993.
3. B.Bilitewski, G.HardHe, K.Marek, A.Weissbach, and H.Boeddicker, “Waste Management”, Springer, 1994.

OS308

Course Title : Design Thinking

Credit: 5 (L: 3, T: 1, P: 2)

Course Content:

Unit I - Introduction to Design thinking

1. Importance of design thinking in daily life;
2. Types of innovation in design
3. Skills required for designing products for end users;
4. Need for design thinking in entrepreneurship development programs of public and private agencies (MSME, DBT, BIRAC, Startup & Make in India);
5. Copyright possibilities for design.
6. Various practical applications of design thinking in industry verticals – product, process, research, finance, HR, marketing, operations, etc.

Unit II – Design thinking process

1. Scoping – list the requirements for the end users.
2. Identifying insights – spot user pain points in application situations.
3. Establish design criteria – various qualitative and quantitative parameters.
4. Concept development – to meet end user requirements.

Unit III - Design Strategy

1. Principles to design and build a prototype – use of computer aided tools for visual depiction.
2. Validation of assumptions & prototypes under simulated user conditions.
3. Re-design and customization to suit requirements.
4. Field survey of the design.
5. Costing & suitability to production requirements – availability of components, sourcing, quality, final build.

Unit IV - Marketing & promoting the design

1. Identification of customer segments for the designed products & processes.
2. Pitching methods to communicate the design elements.
3. Developing distribution channels – franchising to promote design;
4. Policies, promotion, advertising;
5. Branding and market linkages for “virtual startup company”.

Unit V – Knowledge Centers

1. Introduction to TED, Stanford India Bio design.
2. Various Indian and global institutions for design thinking support.
3. Tinkering labs in India – fix Atal Tinkering Lab, India STEM foundation.
4. Certifications in designs.

Laboratory Work:

1. Collecting user feedback.
2. Measurement of design objectives.
3. Prototyping design using computer tools.
4. Building and testing in application verticals.

Text Books/References:

1. Jeanne Liedtka and Tim Ogilvie Designing for Growth: A Design Thinking Tool Kit for Managers (Columbia University Press, 2011).
2. Jeanne Liedtka, Tim Ogilvie, and Rachel Brozenske, The Designing for Growth FieldBook: A Step-by-Step Project Guide (Columbia University Press, 2014).
3. Human-Centered Design Toolkit (IDEO); <https://www.ideo.com/post/design-kit>

4. Design Thinking BootCamp Bootleg (Stanford D-School); <https://dschool.stanford.edu/resources/the-bootcamp-bootleg>
5. Collective Action Toolkit (frogdesign):
https://www.frogdesign.com/wpcontent/uploads/2016/03/CAT_2.0_English.pdf
6. Design Thinking for Educators (IDEO): <https://designthinkingforeducators.com/>
7. Brown, Tim, and Barry Kätz. Change by Design: How Design Thinking Transforms Organizations and Inspires Innovation. New York: Harper Business, 2009.
8. Cross, Nigel. Design Thinking: Understanding How Designers Think and Work. Oxford: Berg, 2011.
9. Bennett, Kevin. "Design Thinking: Creating a Better Understanding of Today to Get to a Better Tomorrow." Forbes (2013): n. pag. Web. 6 Apr. 2014. <http://www.forbes.com/sites/darden/2013/08/29/design-thinking-creating-a-better-understanding-of-today-to-get-to-a-better-tomorrow/>
10. Martin, Roger L. "The innovation catalysts." Harvard Business Review 89(6) (2011): 82-87.
11. "David Kelley: Human-centered design | Talk Video | TED." TED: Ideas worth spreading. N.p., n.d. Web. 4 Mar. 2014. https://www.ted.com/talks/david_kelley_on_human_centered_design?language=en&calculated_rate_of_return=0.1&depreciation_charges=0.05&income_taxes=0.25

Semester –VII

HS401

Course Title: Intellectual Property Rights (IPR) & Regulatory

Credit: 2 (L: 1, T: 1, P: 0)

Course Content:

Module- 1: (10L) Bioethics:

Introduction to ethics and bioethics, roots of honours and integrity in science; the responsible conducts of biotechnological research; research with human beings; societal obligation of a biotechnologist; **Ethical legal social issues (ELSI) in biotechnology:** Biotechnology/ biomedicine application – ethical consideration; ethics and the natural world: environmental ethics (protecting public health and environment; genetically modified foods – the ethical and social issue. ELSI in genetic engineering. / biomedical science, eugenic enhancement, eugenic genetic engineering., genetic information – use and abuse;

patenting human genes – ethical and policy issue, ethics in cloning, genetic testing and screening, human gene therapy and genetic modification – ethical and public consideration, legal implication of somatic cell, gene therapy- germ line gene therapy.

Module II: (10L) Intellectual Property Rights (IPR), Patents and protection:

IPR: Jurisprudential definition and concept of property rights, duties and their correlations, history and evaluation of IPR – like patent design and copy right. Distinction among the various forms of IPR, requirements of a patentable invention like novelty, inventive step and prior art and state of art procedure; Rights/ protection, infringement or violation, remedies against infringement, civil and criminal, Indian patent act 1970 (2 0 0 0) international convention in IPR, major changes in Indian patent system as post TRIPS-GATT-International conventions effects.

Contents of patent specification and procedure for patents: a) obtaining patents, b) geographical indication c) WTO.

Detailed information on patenting biological products, Biodiversity and farmer rights, Budapest treaty. Case studies on - Patents (basmati rice, turmeric, neem, etc.)

Module-III: Biosafety-Regulatory Framework In India & International Level:

Biosafety: The legal and socioeconomic impact of biotechnology, public education of the process of biotechnology involved ingenerating new forms of life for informed decision making, biosafety regulation and national & international guidelines, r-DNA guidelines, experimental protocol approvals, levels of containment, levels of safety. **Regulations on ethical principles in biomedical/ biotechnological practice:** The Nuremberg code, declaration of Helsinki; the Belmont report, cooperational guidelines – WHO, guidelines of DBT (India), Guidelines of an informed consent. Different regulatory bodies in India (RDAC), (IBC), (GEAC), (SBCC), (DLC). Convention of Biological Diversity (1992) – Cartagena Protocol on Biosafety

Module IV: (10L): Entrepreneurship – Objectives and Fundamentals:

Entrepreneur & Entrepreneurship concept: Role of entrepreneurship in economic development; factors affecting entrepreneurial growth; developing and evaluating opportunities; securing resources – institutional finance to entrepreneurs, lease financing & hire purchase, institutional support to entrepreneurs; statutory & legal requirements for starting a venture/ company; how to write a business plan. Growing & sustaining enterprise: Developing start-up strategies, measuring market opportunities, How to use IT for business administration, Role of knowledge centres: Knowledge centres like Universities & research Institution, Role of technology & upgradation, managing technology transfer, regulations for transfer of foreign technologies, support mechanism for entrepreneurship in India.

Text Books/References:

1. Nithyananda, K.V. (2019). Intellectual Property Rights: Protection and Management. India, IN: Cengage Learning India Private Limited.
2. Neeraj, P., & Khusdeep, D. (2014). Intellectual Property Rights. India, IN: PHI Learning Private Limited.
3. V Sreekrishna, 2017. Bioethics and Biosafety in Biotechnology by New Age International publishers.

E-resources:

1. Subramanian, N., & Sundararaman, M. (2018). Intellectual Property Rights – An Overview. Retrieved from <http://www.bdu.ac.in/cells/ipr/docs/ipr-eng-ebook.pdf>
2. World Intellectual Property Organization. (2004). WIPO Intellectual Property Handbook. Retrieved from https://www.wipo.int/edocs/pubdocs/en/intproperty/489/wipo_pub_489.pdf

PC401

Course Title: *Data Analysis and Simulations*

Credit: 3 (L: 2, T: 0, P: 2)

Course Content:**Module I**

Introduction to Data Management: Brief idea about Data Warehousing, Architecture and Data Flows, Data pre-processing before analysis, Data preparation, Case study on Genome sequences and database subscriptions. Genome organization

Module II

Introduction to, Data sources, data loading process Comparison of NGS Systems: Recent scientific breakthroughs using NGS technology.

Module III

Types of data, data visualization: Scatter Plot, histogram etc. Introduction to Transcriptome De-novo Sequencing, Assembly Tools & Parameters, Differential Gene Expression Profiling (For Multiple Samples), Gene Ontology and Pathway Analysis.

Module IV

Statistics and Analytics: Central tendency and variability, Correlation and Regression analysis, Statistical analysis, hypothesis testing, significance of p-value, ANOVA, Chi square test, t test.

Practicals:

1. Plotting graphs using MS Excel.
2. Statistical data analysis
3. Student's test analysis
4. Chisquare analysis (chi-square test of goodness of fit, chi-square test of homogeneity, chi-square test of contingency)

Text Books/References:

1. Introduction to Machine Learning using Python, Jeeva Jose, Khanna Publishing House, 2019.
2. Data Mining: Concepts and Techniques by Jiawei Han, Jian Pei, Micheline Kamber, Elsevier; Third edition 2007.
3. Deep Learning by Ian Goodfellow, Yoshua Bengio, MIT Press 2017.
4. Data Visualization – A Practical Introduction by Kieran Healy, Princeton University Press 2019.
5. Deep Learning – Rajiv Chopra, Khanna Publishing House, 2019.

PE405

Course Title: State-of-art-imaging

Credit: 5 (L: 3, T: 1, P: 2)

State-of-art-imaging

Credit: 5 (L: 3, T: 1, P: 2)

Module I

Introduction to imaging methods: Overview and limitations of traditional imaging methods. Confocal microscopy

Module II

Super-resolution microscopy- Deterministic functional techniques- Stimulated emission depletion (STED), Ground state depletion (GSD), Saturated structured illumination microscopy (SSIM).

Module III

Stochastic optical reconstruction microscopy (STORM), photo activated localization microscopy (PALM) and fluorescence photo-activation localization microscopy (FPALM), Points accumulation for imaging in nanoscale topography (PAINT),

Module IV

Label-free localization microscopy. Multi-photon imaging systems, Real time imaging, computerized tomography (CT) imaging, Positron Emission Tomography (PET), Magnetic Resonance Imaging (MRI), Functional MRI (fMRI), Tissue imaging through mass spectroscopy. Image recognitions and artificial intelligence.

Practicals

1. Microscopic view of bacterial cells
2. Microscopic view of fungal cells
3. Microscopic view of squamous epithelium cells
4. Microscopic cross sectional view of plant tissue

Text Books/References:

1. Super-Resolution Microscopy: A Practical Guide, By Udo J. Birk. Wiley
2. Super-Resolution Microscopy, Methods and Protocols,, Editors: Erfle, Holger (Ed.). Springer
3. Super-Resolution Imaging in Biomedicine, By Alberto Diaspro, Marc A. M. J. van Zandvoort. CRC Press
4. Multiphoton Microscopy. Editors: Hartveit, Espen (Ed.). Springer
5. Confocal and Two-Photon Microscopy: Foundations, Applications and Advances By Alberto Diaspro (Editor). Academic Press
6. Basics of PET Imaging, Physics, Chemistry, and Regulations, By Saha, Gopal B.
7. MRI and Spectroscopy in Pharma. & Clinical Research by N. R. Jagannathan
8. Magnetic Resonance Imaging: Physical and Biological Principles, By Stewart C. Bushong. Elsevier
9. Imaging Mass Spectrometry, Protocols for Mass Microscopy. Editors: Setou, Mitsutoshi.

Course Title: Nano-biotechnology

Credit: 3 (L: 2, T: 1, P: 0)

Course Content:

Module I

Basics of Quantum Mechanics and Atomic Structure: Duality of light, de Broglie waves, electrons in potential well, structure of hydrogen atom, classic atomic bonding, LCAO theory, band theory, energy bands for metals, semi-conductors and insulators

Surface Science of Nanomaterials: crystal structure, close packed structures – FCC, HCP and BCC, surface structure for close-packed surfaces, surface reconfiguration (surface relaxation & surface reconstruction) adsorption, wetting, surface area in nanomaterials

Introduction to Nanostructures: Carbon nanotubes (CNT), fullerene ('C60'), quantum dots and semiconductor nanoparticles, metal-based nanostructures, nanowires, polymer-based nanostructures, gold nanostructures

Module II

Nanomaterial Characterization: X-ray diffraction, electron microscopy, interaction between electron beam and solids, TEM, SEM, SPM (STM & AFM), AES, XPS, SIMS

Module III

Nano biomaterials: Biomimetic nanotechnology, protein-based nanostructures, Nano motors, bacterial (E. coli) and mammalian (Myosin family), DNA nanotechnology, nanostructures in cells study, microarray platforms, Nano printing of DNA, RNA, and proteins biochips applications in nano scale detection, lab-on-a-chip devices (LOC), tissue engineering

Module IV

Nanotechnology in Biomedical Application: micro- and Nano electromechanical devices in drug delivery, other applications in drug delivery, photodynamic therapy in targeted drug administration, Nano biosensors, applications of quantum dots in biotechnology, DNA based nanomaterials as biosensors

Health and Environmental Impacts of Nanotechnology: Engineered nanomaterial of relevance to human health, routes of entry into the body, toxic effects on health, plants and microbes are nanofactories

Text Books/References:

1. Fundamentals and applications of nanomaterials by Guo Z and Tan L, Artech house (2009).
2. Nanobiotechnology by Balaji S, MJP Publishers (2010).
3. Nanobiotechnology: concepts, applications and perspectives by Niemeyer CM and Mirkin CA, Wiley-VCH (2004).
4. Introduction to Nanoscience by Lindsay SM, Oxford University Press (2010).

OS407

Course Title: Food & Nutrition Technology

Credit: 5 (L: 3, T: 1, P: 2)

Course Content:

Module 1: Introduction to food biotechnology:

Introduction, History and scope of food Biotechnology, development and prospects of biotechnology in animal products, ancient and traditional food processing techniques; Biochemical and metabolic pathways of biological systems used in food production.

Module 2: Methods in food biotechnology:

Role of biotechnology in productivity of livestock, Modern biotechnological methods and processes in animal product development, chemical and physical factors required for

growing microbial cultures in nutritive substrate; Meat species identification, Quality control, Screening products for contaminants. Spoilage of food – Food poisoning – Microbiology of water, milk, meat, vegetables – Preservation of food by canning, dehydration, irradiation, sterilization etc. Role of lactic acid in preservation in sauerkraut.

Module 3: Biotechnology methods in food processing:

Use of biotechnology in the production of food additives, use of biotechnological tools for the processing and preservation and foods of animal origin,

use of biotechnology improved enzymes in food processing industry, Basic principles of the industrial use of bio-reactions for production of biomass-upstream and downstream processing application of microorganisms as starter cultures in meat industry, microbial production of food ingredients; Biosensors and novel tools and their application in food science. Enzymes in bakery and cereal products, Enzymes in fruit juice production, Enzymes in fat /oil production. Enzymes in cheese making and beverage production, Utilization of food waste.

Module 4: Food safety & security:

Consumer concerns about risks and values, biotechnology & food safety, Ethical issues concerning GM foods; testing for GMOs; current guidelines for the production, release and movement of GMOs; Future and applications of food biotechnology in India. Fermented and semi-fermented food – Production of single cell protein – Yeast, mushroom – SCP for cattle feed. Genetically modified crop, safety aspects of genetically modified crops. Analysis of preservative, natural and synthetic- Food colour – Food flavour enhancing agents. Chemical safety measurement – Heavy metal, fungal toxins, bacterial toxins, herbicide, Pesticide. detection, Quality control tests explained in brief.

Practicals:

1. Isolation and Characterization of food fermenting organism from idli batter.
2. Estimation of ascorbic acid from given food sample by titrimetric method.
3. Analysis of mycotoxin (Aflatoxin) in fungus contaminated food material.
4. Microscopic examination of Food/Milk by breed method.
5. Estimation of lactose from milk.
6. Quality characterization of pasteurized milk by MBRT method.
7. To judge efficiency of pasteurization of milk by Phosphatase test.
8. Detection of microbial count in Milk by SPC method.

Text Books/References:

1. Potter, Norman. M. Food Science, 5th Ed. Springer US

2. Manay, S.; Shadakshara Swamy, M., (2004). Foods: Facts and Principles, 4th Ed. New Age Publishers.
3. B. Srilakshmi., (2002) Food Science, New Age Publishers.
4. Meyer, (2004). Food Chemistry. New Age
5. Deman JM. (1990) Principles of Food Chemistry. 2nd Ed. Van Nostrand Reinhold, NY
6. Ramaswamy Hand Marcott M. Food Processing Principles and Applications. CRC Press

OS411

Course Title: Bioterrorism & National security

Credit : 3 (L: 2, T: 1, P: 0)

Course Content:

Module I

Terrorism and Bioterrorism

Definition-Traditional Terrorists-New Terrorists-Social condition & Terrorism-Nuclear, chemical, and radiological weapons-The psychology of Bioterrorism-Historical perspective-Terrorism and International threats- Relation between terrorism and bioterrorism.

Module II

Bioterrorism Weapons and Techniques

Characteristics of microbes and the reasons for their Use-Symptoms-Pathogenicity- Epidemiology-natural and targeted release-The biological, techniques of dispersal, and case studies of Anthrax, Plague-Botulism, Smallpox, and Tularemia and VHF.

Module III

Prevention of Bioterrorism

Surveillance and detection- Detection equipment and sensors –Diagnosis-Treatment-Personal security-Electrical detection systems-Public consciousness- Strengthening of security force-Selecting of crime prone zone-Prevention of firearms smuggling- Connection of local security force-Isolation & monitoring of suspicious/potential criminals-Routine police patrolling.

Module IV

Bioterrorism Management

Ethical issues: personal, national, the need to inform the public without creating fear, cost-benefit Ratios-Information Management-Government control and industry Support-Microbial forensics. Prevention- Protection-Decontamination- Notification-Role of Law Enforcement-Economic impact.-Awareness in society- Women & children safety- Home security system-Strengthening of electronic communication systems.

Text Books:

1. Bioterrorism: Guidelines for Medical and Public Health Management, Henderson, Donald, American Medical Association, 1st Edition, 2002.
2. Biological Weapons: Limiting the Threat (BCSIA Studies in International Security), Lederberg, Joshua (Editor), MIT Press, 1999.
3. Bioterrorism and Infectious Agents: A New Dilemma for the 21st Century (Emerging Infectious Diseases of the 21st Century), I.W. Fong and Kenneth Alibek, Springer, 2005.

Reference Books:

1. The Demon in the Freezer: A True Story, Preston, Richard, Fawcett Books, 2003.
2. The Anthrax Letters: A Medical Detective Story, Cole, Leonard A., Joseph Henry Press, 2003.
3. Biotechnology research in an age of terrorism: confronting the dual use dilemma, National Academies of Science, 2003.
4. http://www.centerforhealthsecurity.org/our-work/pubs_archive/pubs-pdfs/2012/sloan_book/Preparing%20for%20Bioterrorism_Gigi%20Kwik%20Gronvall_December%202012.pdf

PS401

Course Title: Project-I

Credit: 2 (L: 0, T: 0, P: 4)

Guidance/Remarks: Project-I can be done either during the Summer Break between Semester VI and Semester VII or during the Semester VII. It will be evaluated as part of Semester VII. It may either be a complete project related to the field of Biotechnology or it may be an initiation (Phase I) of Project-II present in Semester VIII, provided the “Project Work II” is expected to extend beyond the duration of 6 months.

PS403

Course Title: Summer Internship – II

Credit: 3 (L: 0, T: 0, P: 6)

Remarks: Internship needs to be done in Summer Break after Semester - VI and will be considered for evaluation in Semester - VII.

PS402

Semester –VIII

Course Title: Project-II (Biotech Industrial or Biotech In- house Project or Bio-Entrepreneurship)

Credit: 9 (L:
0, T: 0, P: 18)

Guidance/Remarks: Project-II have to be done during the Semester VIII. It may be initiated in the break between Semester VII & VIII although it is not mandatory to initiate in the break. It will be evaluated as part of Semester VIII. It may either be a complete project related to the field of Biotechnology or it may be an extension (Phase II) of Project- I present in Semester VII, provided the Project in charge agrees that “Project Work I” is worthy enough to extend across two semesters (i.e. VII & VIII). It may also be a startup in the field related to Biotechnology. In case of startups, substantial evidence has to be produced for evaluation of the work carried out as part of Project-II.

Suggestions:

1. The students to be taught various types of analysis of SEM, TEM, XRD
2. The BOS members suggested that the students to be provided the concept of both Batch and Continuous type of culture.

(Prof. Dr. Rita Kundu)

(Dr. Anirban Bhunia)

(Dr. Sabyasachi Chakraborty)

University of Engineering & Management, Kolkata

Department of Computer Science & Engineering(IOT, Blockchain, Cybersecurity)

**Minutes of the 3rd Board of Studies Meeting held at the
University Campus on 22nd May, 2019 at 3:00 p.m.**

The following Members / Special Invitees were present:

1. Prof. Sukalyan Goswami, Chairman, BOS
2. Prof. Varsha Poddar, Member – Secretary, BOS
3. Prof. Bipasha Mukhopadhyay, Member, BOS
4. Prof. Ratan Kumar Basak, Member, BOS
5. Prof. Dr. Ajanta Das, Member, BOS
6. Prof. Debkumar Chowdhury, Member, BOS
7. Prof. Sudipto Kr. Mondal, Member, BOS
8. Prof. Sankhadeep Chatterjee, Member, BOS
9. Prof. Kaustuv Bhattacharjee, Member, BOS
10. Prof. Arunabha Tarafdar, Member, BOS
11. Prof. Sukanya Roy, Member, BOS
12. Prof. Sudeshna Kundu Mondal, Member, BOS
13. Prof. Moumita Basu, Member, BOS
14. Prof. Dr. Jayanta Mondal, Member, BOS
15. Prof. Anamika Dey, Member, BOS
16. Prof. Subarna Sen, Member, BOS
17. Prof. Satyam Raha, Member, BOS
18. Prof. Somarpita Dutta, Member, BOS
19. Prof. Shreema Manna, Member, BOS
20. Prof. Dr. Chayan Halder, Member, BOS
21. Prof. Dr. Anirban Das, Member, BOS
22. Prof. Anay Ghosh, Member, BOS
23. Prof. Suseta Datta, Member, BOS
24. Prof. Sohini Mukherjee, Member, BOS
25. Prof. Sreyashi Bhattacharya, Member, BOS
26. Prof. Suman Bhattacharjee, Member, BOS
27. Mr. Kushal Banerjee, External Expert, BOS, Ex-Academic Relationship Manager, TCS

The following members / Special Invitees could not attend the meeting for various professional or personal preoccupations and were granted leave of absence:

1. Prof. Sumit Anand, Member, BOS
2. Prof. Dr. Sankhayan Choudhury, External Expert, BOS, Professor, Department of CSE, CU
3. Prof. Dr. Ujjwal Maulik, External Expert, BOS, Professor, Department of CSE, JU

Agenda Item Number - 1:

Welcome note to be delivered by the chairman to the members of Board of Studies.

The meeting started with the welcome note by the chairman of BOS and extending warm greetings to our external expert present.

Agenda Item Number - 2:

Confirmation of Minutes of 2nd meeting of Board of Studies held on 19th February, 2018.

All the minutes of the 2nd BOS Meeting (held on 19th February, 2019) was discussed thoroughly and all members accepted the minutes noted. The following subject changes were discussed and confirmed the acceptance of student response regarding the syllabi reformation :

CS403 – Computer Organization & Architecture (Formed by merging the syllabus of Computer Organisation (CS303) and Computer Architecture (CS403) – all modules being considered by eliminating only few overlapping portions and maintaining GATE Syllabus modules).

CS301 – Digital Logic Design (Formed by reforming the syllabus of the previous subject taught as Analog & Digital Electronics (CS301) – the analog portion of the respective subject syllabus was discarded as that is not included in GATE Syllabus for B.Tech CSE students curriculum).

Along with this the new subject introduced to the curriculum as **“Data Science & Data Analytics (CS605A)”** is also widely praised by the external expert and the student response is discussed by the faculty members present.

The modules covered in capsule format by this subject are as follows :

- Artificial Intelligence
- Machine Learning
- Natural Language Processing (NLP)
- Cloud Computing & IOT
- Big Data Analytics
- Fundamentals of Robotics

As all the modules are the current cutting edge technologies and are highly implemented in the industry, hence students are very enthusiastic to learn the subject for enhancing their industry readiness and employability.

Agenda Item Number - 3:

Discussion on ongoing syllabi for B.Tech (CSE) course.

Few suggestions and ideas came up from the discussion and valuable comments of our external expert:

- For understanding the concepts of the subject “Database Management Systems (DBMS)”, the rudiments of “Operating systems (OS)” is required. But according to current curriculum, DBMS is taught in the 5th semester (CS503) of B.Tech where as OS is taught in 6th semester (CS603). Hence for increasing the receptiveness of the students, the subjects can be either swapped or while teaching DBMS as a subject, the fundamentals of OS has to covered for better understandability.
- As the industries stress upon projects / internships, students must be encouraged to take up more internships during the stretch of the semester breaks to utilise those. Else the final year curriculum can be set as the 8th semester (final semester) would only comprise of project work / internship and grand viva as the papers.
- The modules of Data Science & Data Analytics are realised as the most important ones for enhancing the students’ industry readiness. Hence it is proposed by the BOS members that if data science and data analytics could be taught as separate subjects in two different semesters, the cognizance would be effective. If data analytics can be included in the preceding semester and data science in the successor semester then the students might grasp the concepts than the present.

- It is even better if the modules of data science & data analytics can be taught as separate subjects. For inducting these, few of the embodied subjects (4th / 5th / 6th) are proposed to be swapped with 7th or 8th semester subjects. Following are the proposals :
 - Numerical Methods – a 4th sem subject can be merged with the subject Mathematics – III of 3rd sem. Hence numerical methods can be discarded as a subject from 4th sem.
 - Data communication – a 4th sem subject can be clubbed with the subject Computer networks of 6th sem. Hence data communication can be discarded as a subject from 4th sem.
 - Microprocessors & Microcontrollers – a 5th sem subject can be included in the 7th sem curriculum. And a module of Data science can be included in 5th sem in place of microprocessors & microcontrollers.
 - Computer graphics & Multimedia can be replaced by a cutting edge technology subject as a paper in the 6th sem.
- The revised syllabus is to be put in the next BOS meeting for subsequent approval. The final accepted syllabus would be followed from the 2019 admission batch students for B.TECH (CSE).

Agenda Item Number – 4:

Suggestion for incorporation of industry expert in BOS.

Dr. Arpan Pal, Head - Innovation Lab, Tata Consultancy Services is suggested as the new member of BOS as discussed. The chairman, BOS will be sending an invitation mail to him in this regard.

Agenda Item Number - 5:

Any other matter with the permission of the members.

The meeting ended with vote of thanks by the chairman, BOS.

University of Engineering & Management, Kolkata

Department of Computer Science & Technology

**Minutes of the 3rd Board of Studies Meeting held at the
University Campus on 22nd May, 2019 at 3:00 p.m.**

The following Members / Special Invitees were present:

1. Prof. Sukalyan Goswami, Chairman, BOS
2. Prof. Varsha Poddar, Member – Secretary, BOS
3. Prof. Bipasha Mukhopadhyay, Member, BOS
4. Prof. Ratan Kumar Basak, Member, BOS
5. Prof. Dr. Ajanta Das, Member, BOS
6. Prof. Debkumar Chowdhury, Member, BOS
7. Prof. Sudipto Kr. Mondal, Member, BOS
8. Prof. Sankhadeep Chatterjee, Member, BOS
9. Prof. Kaustuv Bhattacharjee, Member, BOS
10. Prof. Arunabha Tarafdar, Member, BOS
11. Prof. Sukanya Roy, Member, BOS
12. Prof. Sudeshna Kundu Mondal, Member, BOS
13. Prof. Moumita Basu, Member, BOS
14. Prof. Dr. Jayanta Mondal, Member, BOS
15. Prof. Anamika Dey, Member, BOS
16. Prof. Subarna Sen, Member, BOS
17. Prof. Satyam Raha, Member, BOS
18. Prof. Somarpita Dutta, Member, BOS
19. Prof. Shreema Manna, Member, BOS
20. Prof. Dr. Chayan Halder, Member, BOS
21. Prof. Dr. Anirban Das, Member, BOS
22. Prof. Anay Ghosh, Member, BOS
23. Prof. Suseta Datta, Member, BOS
24. Prof. Sohini Mukherjee, Member, BOS
25. Prof. Sreyashi Bhattacharya, Member, BOS
26. Prof. Suman Bhattacharjee, Member, BOS
27. Mr. Kushal Banerjee, External Expert, BOS, Ex-Academic Relationship Manager, TCS

The following members / Special Invitees could not attend the meeting for various professional or personal preoccupations and were granted leave of absence:

1. Prof. Sumit Anand, Member, BOS
2. Prof. Dr. Sankhayan Choudhury, External Expert, BOS, Professor, Department of CSE, CU
3. Prof. Dr. Ujjwal Maulik, External Expert, BOS, Professor, Department of CSE, JU

Agenda Item Number - 1:

Welcome note to be delivered by the chairman to the members of Board of Studies.

The meeting started with the welcome note by the chairman of BOS and extending warm greetings to our external expert present.

Agenda Item Number - 2:

Confirmation of Minutes of 2nd meeting of Board of Studies held on 19th February, 2018.

All the minutes of the 2nd BOS Meeting (held on 19th February, 2019) was discussed thoroughly and all members accepted the minutes noted. The following subject changes were discussed and confirmed the acceptance of student response regarding the syllabi reformation :

CS403 – Computer Organization & Architecture (Formed by merging the syllabus of Computer Organisation (CS303) and Computer Architecture (CS403) – all modules being considered by eliminating only few overlapping portions and maintaining GATE Syllabus modules).

CS301 – Digital Logic Design (Formed by reforming the syllabus of the previous subject taught as Analog & Digital Electronics (CS301) – the analog portion of the respective subject syllabus was discarded as that is not included in GATE Syllabus for B.Tech CSE students curriculum).

Along with this the new subject introduced to the curriculum as **“Data Science & Data Analytics (CS605A)”** is also widely praised by the external expert and the student response is discussed by the faculty members present.

The modules covered in capsule format by this subject are as follows :

- Artificial Intelligence
- Machine Learning
- Natural Language Processing (NLP)
- Cloud Computing & IOT
- Big Data Analytics
- Fundamentals of Robotics

As all the modules are the current cutting edge technologies and are highly implemented in the industry, hence students are very enthusiastic to learn the subject for enhancing their industry readiness and employability.

Agenda Item Number - 3:

Discussion on ongoing syllabi for B.Tech (CSE) course.

Few suggestions and ideas came up from the discussion and valuable comments of our external expert:

- For understanding the concepts of the subject “Database Management Systems (DBMS)”, the rudiments of “Operating systems (OS)” is required. But according to current curriculum, DBMS is taught in the 5th semester (CS503) of B.Tech where as OS is taught in 6th semester (CS603). Hence for increasing the receptiveness of the students, the subjects can be either swapped or while teaching DBMS as a subject, the fundamentals of OS has to covered for better understandability.
- As the industries stress upon projects / internships, students must be encouraged to take up more internships during the stretch of the semester breaks to utilise those. Else the final year curriculum can be set as the 8th semester (final semester) would only comprise of project work / internship and grand viva as the papers.
- The modules of Data Science & Data Analytics are realised as the most important ones for enhancing the students’ industry readiness. Hence it is proposed by the BOS members that if data science and data analytics could be taught as separate subjects in two different semesters, the cognizance would be effective. If data analytics can be included in the preceding semester and data science in the successor semester then the students might grasp the concepts than the present.

- It is even better if the modules of data science & data analytics can be taught as separate subjects. For inducting these, few of the embodied subjects (4th / 5th / 6th) are proposed to be swapped with 7th or 8th semester subjects. Following are the proposals :
 - Numerical Methods – a 4th sem subject can be merged with the subject Mathematics – III of 3rd sem. Hence numerical methods can be discarded as a subject from 4th sem.
 - Data communication – a 4th sem subject can be clubbed with the subject Computer networks of 6th sem. Hence data communication can be discarded as a subject from 4th sem.
 - Microprocessors & Microcontrollers – a 5th sem subject can be included in the 7th sem curriculum. And a module of Data science can be included in 5th sem in place of microprocessors & microcontrollers.
 - Computer graphics & Multimedia can be replaced by a cutting edge technology subject as a paper in the 6th sem.
- The revised syllabus is to be put in the next BOS meeting for subsequent approval. The final accepted syllabus would be followed from the 2019 admission batch students for B.TECH (CSE).

Agenda Item Number – 4:

Suggestion for incorporation of industry expert in BOS.

Dr. Arpan Pal, Head - Innovation Lab, Tata Consultancy Services is suggested as the new member of BOS as discussed. The chairman, BOS will be sending an invitation mail to him in this regard.

Agenda Item Number - 5:

Any other matter with the permission of the members.

The meeting ended with vote of thanks by the chairman, BOS.

University of Engineering & Management, Kolkata

Department of Computer Science & Information Technology

**Minutes of the 3rd Board of Studies Meeting held at the
University Campus on 22nd May, 2019 at 3:00 p.m.**

The following Members / Special Invitees were present:

1. Prof. Sukalyan Goswami, Chairman, BOS
2. Prof. Varsha Poddar, Member – Secretary, BOS
3. Prof. Bipasha Mukhopadhyay, Member, BOS
4. Prof. Ratan Kumar Basak, Member, BOS
5. Prof. Dr. Ajanta Das, Member, BOS
6. Prof. Debkumar Chowdhury, Member, BOS
7. Prof. Sudipto Kr. Mondal, Member, BOS
8. Prof. Sankhadeep Chatterjee, Member, BOS
9. Prof. Kaustuv Bhattacharjee, Member, BOS
10. Prof. Arunabha Tarafdar, Member, BOS
11. Prof. Sukanya Roy, Member, BOS
12. Prof. Sudeshna Kundu Mondal, Member, BOS
13. Prof. Moumita Basu, Member, BOS
14. Prof. Dr. Jayanta Mondal, Member, BOS
15. Prof. Anamika Dey, Member, BOS
16. Prof. Subarna Sen, Member, BOS
17. Prof. Satyam Raha, Member, BOS
18. Prof. Somarpita Dutta, Member, BOS
19. Prof. Shreema Manna, Member, BOS
20. Prof. Dr. Chayan Halder, Member, BOS
21. Prof. Dr. Anirban Das, Member, BOS
22. Prof. Anay Ghosh, Member, BOS
23. Prof. Suseta Datta, Member, BOS
24. Prof. Sohini Mukherjee, Member, BOS
25. Prof. Sreyashi Bhattacharya, Member, BOS
26. Prof. Suman Bhattacharjee, Member, BOS
27. Mr. Kushal Banerjee, External Expert, BOS, Ex-Academic Relationship Manager, TCS

The following members / Special Invitees could not attend the meeting for various professional or personal preoccupations and were granted leave of absence:

1. Prof. Sumit Anand, Member, BOS
2. Prof. Dr. Sankhayan Choudhury, External Expert, BOS, Professor, Department of CSE, CU
3. Prof. Dr. Ujjwal Maulik, External Expert, BOS, Professor, Department of CSE, JU

Agenda Item Number - 1:

Welcome note to be delivered by the chairman to the members of Board of Studies.

The meeting started with the welcome note by the chairman of BOS and extending warm greetings to our external expert present.

Agenda Item Number - 2:

Confirmation of Minutes of 2nd meeting of Board of Studies held on 19th February, 2018.

All the minutes of the 2nd BOS Meeting (held on 19th February, 2019) was discussed thoroughly and all members accepted the minutes noted. The following subject changes were discussed and confirmed the acceptance of student response regarding the syllabi reformation :

CS403 – Computer Organization & Architecture (Formed by merging the syllabus of Computer Organisation (CS303) and Computer Architecture (CS403) – all modules being considered by eliminating only few overlapping portions and maintaining GATE Syllabus modules).

CS301 – Digital Logic Design (Formed by reforming the syllabus of the previous subject taught as Analog & Digital Electronics (CS301) – the analog portion of the respective subject syllabus was discarded as that is not included in GATE Syllabus for B.Tech CSE students curriculum).

Along with this the new subject introduced to the curriculum as **“Data Science & Data Analytics (CS605A)”** is also widely praised by the external expert and the student response is discussed by the faculty members present.

The modules covered in capsule format by this subject are as follows :

- Artificial Intelligence
- Machine Learning
- Natural Language Processing (NLP)
- Cloud Computing & IOT
- Big Data Analytics
- Fundamentals of Robotics

As all the modules are the current cutting edge technologies and are highly implemented in the industry, hence students are very enthusiastic to learn the subject for enhancing their industry readiness and employability.

Agenda Item Number - 3:

Discussion on ongoing syllabi for B.Tech (CSE) course.

Few suggestions and ideas came up from the discussion and valuable comments of our external expert:

- For understanding the concepts of the subject “Database Management Systems (DBMS)”, the rudiments of “Operating systems (OS)” is required. But according to current curriculum, DBMS is taught in the 5th semester (CS503) of B.Tech where as OS is taught in 6th semester (CS603). Hence for increasing the receptiveness of the students, the subjects can be either swapped or while teaching DBMS as a subject, the fundamentals of OS has to be covered for better understandability.
- As the industries stress upon projects / internships, students must be encouraged to take up more internships during the stretch of the semester breaks to utilise those. Else the final year curriculum can be set as the 8th semester (final semester) would only comprise of project work / internship and grand viva as the papers.
- The modules of Data Science & Data Analytics are realised as the most important ones for enhancing the students’ industry readiness. Hence it is proposed by the BOS members that if data science and data analytics could be taught as separate subjects in two different semesters, the cognizance would be effective. If data analytics can be included in the preceding semester and data science in the successor semester then the students might grasp the concepts than the present.

- It is even better if the modules of data science & data analytics can be taught as separate subjects. For inducting these, few of the embodied subjects (4th / 5th / 6th) are proposed to be swapped with 7th or 8th semester subjects. Following are the proposals :
 - Numerical Methods – a 4th sem subject can be merged with the subject Mathematics – III of 3rd sem. Hence numerical methods can be discarded as a subject from 4th sem.
 - Data communication – a 4th sem subject can be clubbed with the subject Computer networks of 6th sem. Hence data communication can be discarded as a subject from 4th sem.
 - Microprocessors & Microcontrollers – a 5th sem subject can be included in the 7th sem curriculum. And a module of Data science can be included in 5th sem in place of microprocessors & microcontrollers.
 - Computer graphics & Multimedia can be replaced by a cutting edge technology subject as a paper in the 6th sem.
- The revised syllabus is to be put in the next BOS meeting for subsequent approval. The final accepted syllabus would be followed from the 2019 admission batch students for B.TECH (CSE).

Agenda Item Number – 4:

Suggestion for incorporation of industry expert in BOS.

Dr. Arpan Pal, Head - Innovation Lab, Tata Consultancy Services is suggested as the new member of BOS as discussed. The chairman, BOS will be sending an invitation mail to him in this regard.

Agenda Item Number - 5:

Any other matter with the permission of the members.

The meeting ended with vote of thanks by the chairman, BOS.

University of Engineering & Management, Kolkata

Department of Computer Science & Business Systems

**Minutes of the 3rd Board of Studies Meeting held at the
University Campus on 22nd May, 2019 at 3:00 p.m.**

The following Members / Special Invitees were present:

1. Prof. Sukalyan Goswami, Chairman, BOS
2. Prof. Varsha Poddar, Member – Secretary, BOS
3. Prof. Bipasha Mukhopadhyay, Member, BOS
4. Prof. Ratan Kumar Basak, Member, BOS
5. Prof. Dr. Ajanta Das, Member, BOS
6. Prof. Debkumar Chowdhury, Member, BOS
7. Prof. Sudipto Kr. Mondal, Member, BOS
8. Prof. Sankhadeep Chatterjee, Member, BOS
9. Prof. Kaustuv Bhattacharjee, Member, BOS
10. Prof. Arunabha Tarafdar, Member, BOS
11. Prof. Sukanya Roy, Member, BOS
12. Prof. Sudeshna Kundu Mondal, Member, BOS
13. Prof. Moumita Basu, Member, BOS
14. Prof. Dr. Jayanta Mondal, Member, BOS
15. Prof. Anamika Dey, Member, BOS
16. Prof. Subarna Sen, Member, BOS
17. Prof. Satyam Raha, Member, BOS
18. Prof. Somarpita Dutta, Member, BOS
19. Prof. Shreema Manna, Member, BOS
20. Prof. Dr. Chayan Halder, Member, BOS
21. Prof. Dr. Anirban Das, Member, BOS
22. Prof. Anay Ghosh, Member, BOS
23. Prof. Suseta Datta, Member, BOS
24. Prof. Sohini Mukherjee, Member, BOS
25. Prof. Sreyashi Bhattacharya, Member, BOS
26. Prof. Suman Bhattacharjee, Member, BOS
27. Mr. Kushal Banerjee, External Expert, BOS, Ex-Academic Relationship Manager, TCS

The following members / Special Invitees could not attend the meeting for various professional or personal preoccupations and were granted leave of absence:

1. Prof. Sumit Anand, Member, BOS
2. Prof. Dr. Sankhayan Choudhury, External Expert, BOS, Professor, Department of CSE, CU
3. Prof. Dr. Ujjwal Maulik, External Expert, BOS, Professor, Department of CSE, JU

Agenda Item Number - 1:

Welcome note to be delivered by the chairman to the members of Board of Studies.

The meeting started with the welcome note by the chairman of BOS and extending warm greetings to our external expert present.

Agenda Item Number - 2:

Confirmation of Minutes of 2nd meeting of Board of Studies held on 19th February, 2018.

All the minutes of the 2nd BOS Meeting (held on 19th February, 2019) was discussed thoroughly and all members accepted the minutes noted. The following subject changes were discussed and confirmed the acceptance of student response regarding the syllabi reformation :

CS403 – Computer Organization & Architecture (Formed by merging the syllabus of Computer Organisation (CS303) and Computer Architecture (CS403) – all modules being considered by eliminating only few overlapping portions and maintaining GATE Syllabus modules).

CS301 – Digital Logic Design (Formed by reforming the syllabus of the previous subject taught as Analog & Digital Electronics (CS301) – the analog portion of the respective subject syllabus was discarded as that is not included in GATE Syllabus for B.Tech CSE students curriculum).

Along with this the new subject introduced to the curriculum as **“Data Science & Data Analytics (CS605A)”** is also widely praised by the external expert and the student response is discussed by the faculty members present.

The modules covered in capsule format by this subject are as follows :

- Artificial Intelligence
- Machine Learning
- Natural Language Processing (NLP)
- Cloud Computing & IOT
- Big Data Analytics
- Fundamentals of Robotics

As all the modules are the current cutting edge technologies and are highly implemented in the industry, hence students are very enthusiastic to learn the subject for enhancing their industry readiness and employability.

Agenda Item Number - 3:

Discussion on ongoing syllabi for B.Tech (CSE) course.

Few suggestions and ideas came up from the discussion and valuable comments of our external expert:

- For understanding the concepts of the subject “Database Management Systems (DBMS)”, the rudiments of “Operating systems (OS)” is required. But according to current curriculum, DBMS is taught in the 5th semester (CS503) of B.Tech where as OS is taught in 6th semester (CS603). Hence for increasing the receptiveness of the students, the subjects can be either swapped or while teaching DBMS as a subject, the fundamentals of OS has to covered for better understandability.
- As the industries stress upon projects / internships, students must be encouraged to take up more internships during the stretch of the semester breaks to utilise those. Else the final year curriculum can be set as the 8th semester (final semester) would only comprise of project work / internship and grand viva as the papers.
- The modules of Data Science & Data Analytics are realised as the most important ones for enhancing the students’ industry readiness. Hence it is proposed by the BOS members that if data science and data analytics could be taught as separate subjects in two different semesters, the cognizance would be effective. If data analytics can be included in the preceding semester and data science in the successor semester then the students might grasp the concepts than the present.

- It is even better if the modules of data science & data analytics can be taught as separate subjects. For inducting these, few of the embodied subjects (4th / 5th / 6th) are proposed to be swapped with 7th or 8th semester subjects. Following are the proposals :
 - Numerical Methods – a 4th sem subject can be merged with the subject Mathematics – III of 3rd sem. Hence numerical methods can be discarded as a subject from 4th sem.
 - Data communication – a 4th sem subject can be clubbed with the subject Computer networks of 6th sem. Hence data communication can be discarded as a subject from 4th sem.
 - Microprocessors & Microcontrollers – a 5th sem subject can be included in the 7th sem curriculum. And a module of Data science can be included in 5th sem in place of microprocessors & microcontrollers.
 - Computer graphics & Multimedia can be replaced by a cutting edge technology subject as a paper in the 6th sem.
- The revised syllabus is to be put in the next BOS meeting for subsequent approval. The final accepted syllabus would be followed from the 2019 admission batch students for B.TECH (CSE).

Agenda Item Number – 4:

Suggestion for incorporation of industry expert in BOS.

Dr. Arpan Pal, Head - Innovation Lab, Tata Consultancy Services is suggested as the new member of BOS as discussed. The chairman, BOS will be sending an invitation mail to him in this regard.

Agenda Item Number - 5:

Any other matter with the permission of the members.

The meeting ended with vote of thanks by the chairman, BOS.

University of Engineering & Management, Kolkata

Department of Computer Science & Engineering

Minutes of the 3rd Board of Studies Meeting held at the University Campus on 22nd May, 2019 at 3:00 p.m.

The following Members / Special Invitees were present:

1. Prof. Sukalyan Goswami, Chairman, BOS
2. Prof. Varsha Poddar, Member – Secretary, BOS
3. Prof. Bipasha Mukhopadhyay, Member, BOS
4. Prof. Ratan Kumar Basak, Member, BOS
5. Prof. Dr. Ajanta Das, Member, BOS
6. Prof. Debkumar Chowdhury, Member, BOS
7. Prof. Sudipto Kr. Mondal, Member, BOS
8. Prof. Sankhadeep Chatterjee, Member, BOS
9. Prof. Kaustuv Bhattacharjee, Member, BOS
10. Prof. Arunabha Tarafdar, Member, BOS
11. Prof. Sukanya Roy, Member, BOS
12. Prof. Sudeshna Kundu Mondal, Member, BOS
13. Prof. Moumita Basu, Member, BOS
14. Prof. Dr. Jayanta Mondal, Member, BOS
15. Prof. Anamika Dey, Member, BOS
16. Prof. Subarna Sen, Member, BOS
17. Prof. Satyam Raha, Member, BOS
18. Prof. Somarpita Dutta, Member, BOS
19. Prof. Shreema Manna, Member, BOS
20. Prof. Dr. Chayan Halder, Member, BOS
21. Prof. Dr. Anirban Das, Member, BOS
22. Prof. Anay Ghosh, Member, BOS
23. Prof. Suseta Datta, Member, BOS
24. Prof. Sohini Mukherjee, Member, BOS
25. Prof. Sreyashi Bhattacharya, Member, BOS
26. Prof. Suman Bhattacharjee, Member, BOS
27. Mr. Kushal Banerjee, External Expert, BOS, Ex-Academic Relationship Manager, TCS

The following members / Special Invitees could not attend the meeting for various professional or personal preoccupations and were granted leave of absence:

1. Prof. Sumit Anand, Member, BOS
2. Prof. Dr. Sankhayan Choudhury, External Expert, BOS, Professor, Department of CSE, CU
3. Prof. Dr. Ujjwal Maulik, External Expert, BOS, Professor, Department of CSE, JU

Agenda Item Number - 1:

Welcome note to be delivered by the chairman to the members of Board of Studies.

The meeting started with the welcome note by the chairman of BOS and extending warm greetings to our external expert present.

Agenda Item Number - 2:

Confirmation of Minutes of 2nd meeting of Board of Studies held on 19th February, 2018.

All the minutes of the 2nd BOS Meeting (held on 19th February, 2019) was discussed thoroughly and all members accepted the minutes noted. The following subject changes were discussed and confirmed the acceptance of student response regarding the syllabi reformation :

CS403 – Computer Organization & Architecture (Formed by merging the syllabus of Computer Organisation (CS303) and Computer Architecture (CS403) – all modules being considered by eliminating only few overlapping portions and maintaining GATE Syllabus modules).

CS301 – Digital Logic Design (Formed by reforming the syllabus of the previous subject taught as Analog & Digital Electronics (CS301) – the analog portion of the respective subject syllabus was discarded as that is not included in GATE Syllabus for B.Tech CSE students curriculum).

Along with this the new subject introduced to the curriculum as **“Data Science & Data Analytics (CS605A)”** is also widely praised by the external expert and the student response is discussed by the faculty members present.

The modules covered in capsule format by this subject are as follows :

- Artificial Intelligence
- Machine Learning
- Natural Language Processing (NLP)
- Cloud Computing & IOT
- Big Data Analytics
- Fundamentals of Robotics

As all the modules are the current cutting edge technologies and are highly implemented in the industry, hence students are very enthusiastic to learn the subject for enhancing their industry readiness and employability.

Agenda Item Number - 3:

Discussion on ongoing syllabi for B.Tech (CSE) course.

Few suggestions and ideas came up from the discussion and valuable comments of our external expert:

- For understanding the concepts of the subject “Database Management Systems (DBMS)”, the rudiments of “Operating systems (OS)” is required. But according to current curriculum, DBMS is taught in the 5th semester (CS503) of B.Tech where as OS is taught in 6th semester (CS603). Hence for increasing the receptiveness of the students, the subjects can be either swapped or while teaching DBMS as a subject, the fundamentals of OS has to be covered for better understandability.
- As the industries stress upon projects / internships, students must be encouraged to take up more internships during the stretch of the semester breaks to utilise those. Else the final year curriculum can be set as the 8th semester (final semester) would only comprise of project work / internship and grand viva as the papers.
- The modules of Data Science & Data Analytics are realised as the most important ones for enhancing the students’ industry readiness. Hence it is proposed by the BOS members that if data science and data analytics could be taught as separate subjects in two different semesters, the cognizance would be effective. If data analytics can be included in the preceding semester and data science in the successor semester then the students might grasp the concepts than the present.

- It is even better if the modules of data science & data analytics can be taught as separate subjects. For inducting these, few of the embodied subjects (4th / 5th / 6th) are proposed to be swapped with 7th or 8th semester subjects. Following are the proposals :
 - Numerical Methods – a 4th sem subject can be merged with the subject Mathematics – III of 3rd sem. Hence numerical methods can be discarded as a subject from 4th sem.
 - Data communication – a 4th sem subject can be clubbed with the subject Computer networks of 6th sem. Hence data communication can be discarded as a subject from 4th sem.
 - Microprocessors & Microcontrollers – a 5th sem subject can be included in the 7th sem curriculum. And a module of Data science can be included in 5th sem in place of microprocessors & microcontrollers.
 - Computer graphics & Multimedia can be replaced by a cutting edge technology subject as a paper in the 6th sem.
- The revised syllabus is to be put in the next BOS meeting for subsequent approval. The final accepted syllabus would be followed from the 2019 admission batch students for B.TECH (CSE).

Agenda Item Number – 4:

Suggestion for incorporation of industry expert in BOS.

Dr. Arpan Pal, Head - Innovation Lab, Tata Consultancy Services is suggested as the new member of BOS as discussed. The chairman, BOS will be sending an invitation mail to him in this regard.

Agenda Item Number - 5:

Any other matter with the permission of the members.

The meeting ended with vote of thanks by the chairman, BOS.

Prof. Sukalyan Goswami
Chairman, BOS

University of Engineering & Management, Kolkata

Department of Electronics & Communication Engineering (ECE)

**Minutes of the 3rd Board of Studies Meeting held at the
University Campus on 13th February, 2019 at 3:00 p.m.**

All Members / Special Invitees were present: All members of BOS of department

Agenda Item Number - 1:

Welcome note to be delivered by the chairman to the members of Board of Studies.

The meeting started with the welcome note by the chairman of BOS and extending warm greetings to our external experts present.

Agenda Item Number - 2:

Confirmation on the minutes of Previous BOS meeting. The chairman praised the the board reagrding the minutes of the Previous BOS meeting and regarding incorporations of Governing body decissions in meetings. Other Experts also praised the board for their valuable suggestions that has been incorporated in the in the syllabus. Experts from Extranal field suggested that syllabus needs to be more technology oriented. Chairman said that it will be discussed on next meeting.

Resolutions: No further comments were received.

Agenda Item Number - 3:

Suggestion for incorporation of industry expert in BOS.

External Expert suggested as the new member of BOS as discussed. The chairman, BOS will be sending an invitation mail to him in this regard. One more external member is sugested from Communications field.

Agenda Item Number - 4:

Any other matter with the permission of the members.

The meeting ended with vote of thanks by the chairman, BOS.



UNIVERSITY OF ENGINEERING & MANAGEMENT KOLKATA

ACTION AREA-III, NEWTOWN, KOLKATA-160, WEST BENGAL

Minutes of Meeting of the Departmental Meeting of Board of Studies Held in the online mode on 02nd July, 2021 at 2:00pm

The following members were present:

Invited External Experts

From Academics

1. Dr. Subhas Chandra Mondal, Associate Professor, ME Department, IEST Shibpur

From Industry

2. Mr. Maheshwar Jha, Head, Service, New Allenberry Works (Unit of Deepak Industries Ltd.)

Internal Members

1. Koustov Mondol, Head of the Department (ME Department)/Chairman
2. Dr. Goutam Paul, Associate Professor (ME Department)/Member
3. Sudipta Deb, Assistant Professor (ME Department)/Member
4. Joydip Ghosh, Assistant Professor (ME Department) /Member
5. Subrata Mondal, Assistant Professor (ME Department) /Member
6. Abhisek Haldar, Assistant Professor (ME Department) /Member
7. Subhankar Moulick, Assistant Professor (ME Department) /Member
8. Biswajit Banik, (Scientific Officer, ME Department) /Member
9. Gautam Basak, (Scientific officer, ME Department) /Member

Prof. Koustov Mondol, Head of the Department (ME Department) presided over the meeting.

Agendas:

Agenda 1– Structuring & approval of the syllabus of ME stream for the ensuing 3rd, 5th & 7th Semester, July-December 2021.

A formal overview of the syllabus was taken & external experts and faculties put their inputs over the respective topics. Subjects for the forthcoming semesters were looked after separately and planned accordingly for their respective labs.

Agenda 2– Content revision, reorientation & restructuring of the syllabus of ME stream

As per the AICTE guidelines the complete syllabus was discussed for any kind of inclusion that can be done or any existing redundant part to be excluded.

Action taken Report:

<i>Sl. No.</i>	<i>Suggestions</i>	<i>Action Taken</i>
1	<p>Suggestions by Mr. Maheshwar Jha:</p> <p>1.1 Basic preliminary idea about the syllabus & basic fundamentals of mathematics & physics should be clear to all the students.</p> <p>1.2 More focus on project & training activities should be given to make engineer ready for field work.</p> <p>1.3 Students should be focused to learn latest version of design softwares like CATIA V5, SOLIDWORKS, CREO, ANSYS etc. that will help students to put forward their career in better way.</p> <p>1.4 Thorough knowledge of workshop & different types of tools including measuring instruments is to be imparted to the students so that they should be well known with the different types of manufacturing process undergoing in industries these days.</p> <p>1.5 Students should be well adapted with the knowledge of latest versions of CNC machines.</p>	<p>Informed Mr. Jha that we are already taking care of his valuable suggestions.</p>

2	<p>Suggestions by Dr. Subhash Chandra Mondal</p> <p>2.1 Manufacturing Processes should be incorporated as a theory subject in the present 3rd semester syllabus & in this subject both primary & secondary manufacturing processes will be taught.</p> <p>2.2 Metrology & measurement subject taught in 5th semester to be renamed as Measurement & metrology.</p> <p>2.3 Production & operation management subject should be renamed as Operation & Production Management. Industrial engineering should be clubbed with Operation & Production Management that is being taught in 6th semester.</p> <p>2.4 In place of Computer Aided Design (CAD) as recommended by AICTE in 6th semester, we should consider Refrigeration & Air Conditioning in the existing curriculum.</p> <p>2.5 Non-traditional machining processes should not be included under Automation in Manufacturing which will be taught to the students in 7th semester, however, it should Non-traditional Machining processes should be considered as an elective subject in 7th semester. Also, few portions of micro-manufacturing should be added in the non-traditional machining process which will help students in their research/project related works.</p> <p>2.6 Introduction to Modeling & Simulation part should be removed from the syllabus of Automation in Manufacturing offered to the students in 7th semester and few portions of semi-automatic automation part should be added in the syllabus.</p> <p>2.7 Finite Element Analysis is not mandatory in the current 7th semester as a compulsory subject; however, it can be kept as an elective subject in place of Total Quality Management. Based on the interest of students & their area of research they can opt the same. It was also suggested that Tribology of Machine Elements should be included in the list of elective subjects in the current 7th semester course structure.</p> <p>2.8 In Quality & Reliability Engineering which is an elective subject as prescribed in the AICTE curriculum for 8th semester, it was suggested to teach Plant Maintenance portions.</p> <p>2.9 Nowadays arranging vocational training in</p>	<p>2.1 A subject named Primary Manufacturing Process of 3 Credits has been included in the 3rd Semester.</p> <p>2.2 The subject has been renamed as Measurement & Metrology.</p> <p>2.3 The subject has been renamed as Operation & Production Management and Industrial Engineering is included in the subject.</p> <p>2.4 Refrigeration & Air Conditioning is considered instead of CAD in the existing curriculum.</p> <p>2.5 A separate subject named Non-traditional Machining processes is included as an elective subject in 7th semester. Also a few portions of micro-manufacturing will be added in the syllabus and would be taught by the respective faculty.</p> <p>2.6 Semi-Automatic Machines and their case studies has been included in the syllabus of the subject Automation in Manufacturing.</p> <p>2.7 Finite Element Analysis has been shifted to elective subject and Tribology of Machine Elements has also been included in the list of electives in the 7th semester.</p> <p>2.8 Plant Maintenance portions has been included and would be taught in 8th semester.</p> <p>2.9 'Viva' term has been</p>
---	--	---

	<p>any industry is a tough job for a student so external experts suggested to add internship as an alternative in the curriculum if they cannot arrange vocational training by themselves. We should not add the method of evaluation in the course structure against vocational training/internships.</p> <p>2.10 There should be one project in the final year. It has to start in the 7th semester & will end in 8th semester. So according to their opinion final year project to be named as Project Part-I & Project Part-II.</p>	<p>removed and the subject has been renamed as Vocational Training/Internship.</p> <p>2.10 Project in the 7th semester has been renamed as Project Part-I and for 8th semester, it will be named Project Part-II.</p>
--	---	---

Koustov Mondol
 Head of the Department
 Mechanical Engineering
 UEM Kolkata



DATE: Wednesday, May 29, 2019

TIME: 03:00 pm

LOCATION: Board Room, UEM, Kolkata

MEETING MINUTES

Board of Studies

The 3rd meeting of the Board of studies of Department of Electrical Engineering of the University of Engineering & Management (UEM), Kolkata was held on 29th May, 2019 at 15.00 hrs. Prof. Sanjay Bhadra, HOD, Department of Electrical Engineering of UEM, Kolkata chaired the meeting.

Meeting to Discuss

- Framing and restructuring of syllabus along with outcome based curriculum as per newly proposed AICTE syllabus (Upto 4th Semester).

Attendee Names

- Prof (Dr).C.K Chanda, Professor, Department of Electrical Engineering, IEST, Shibpur
- Prof (Dr).Debashis Chatterjee, Professor, Department of Electrical Engineering, Jadavpur University
- Prof (Dr). Arindam Kumar Sil, Assistant Professor, Department of Electrical Engineering, Jadavpur University
- Prof. Sanjay Bhadra, HOD, Department of EE, UEM, Kolkata
- Prof. (Dr) N.K.Mondal, Professor, Department of EE, UEM, Kolkata
- Mr. Arijit Ganguly, Assistant Professor, Department of EE, UEM, Kolkata
- Mr. Subhojit Paul, Assistant Professor, Department of EE, UEM, Kolkata
- Mrs. Ishita Ghosh, Assistant Professor, Department of EE, UEM, Kolkata
- Mr. Soumendu Banerjee, Assistant Professor, Department of EE, UEM, Kolkata
- Mr. Abhishek Roy Chowdhury, Assistant Professor, Department of EE, UEM, Kolkata
- Mr. Narayan Malakar, Scientific Officer, Department of EE, UEM, Kolkata

Reports

- **MOOC course selection**

In the 3rd semester a Mathematics based MOOC course should be selected that will cover all necessary topics on mathematics which are prerequisite for other subjects like Field Theory, Signals & Systems etc. Any necessary MOOC course with zero credit point can also be selected in the respective semester in addition to the normal curriculum.

- **Modification in the proposed AICTE syllabus**

With the consent of the subject experts following modifications are suggested in the proposed AICTE syllabus.

- The subject 'Measurement & Instrumentation' Theory will be introduced in the 4th semester instead of 5th semester.

- ‘Measurement & Instrumentation Laboratory’ will be introduced in the 4th semester with credit point of 1.
- ‘Power Electronics & Drives’ Theory and Laboratory will be removed from 4th semester and agreed to be introduced in the 6th semester.

Meeting ended with vote of thanks by the chair.

(Prof. Subhojit Paul)
Secretary – BOS
University of Engineering &
Management, Kolkata

(Prof. Sanjay Bhadra)
Chairman - BOS
University of Engineering &
Management, Kolkata

**Minutes of Meeting for the Second Board of Studies Meeting held on 31st May 2019
at UEM-Kolkata Campus for the Department of Civil Engineering**

The second Board of Studies meeting for the Department of Civil Engineering of University of Engineering and Management, Kolkata was held on 31st May 2019 wherein experts from academia and industries were invited for revising the syllabus of 3rd and 4th semester following AICTE guidelines and upgrading few course content in the existing syllabus for 5th to 8th semester. As per new AICTE course curriculum, only 3rd and 4th semesters will follow the new course structure in the upcoming academic session 2019-20.

Prof. Somnath Hazra, Head of the Department, welcomed the experts and delivered a brief address on the need for BOS at UEM, Kolkata.

The following external experts were present:

From Academia:

1. Prof. (Dr.) Partha Pratim Biswas, Professor, Department of Construction Engineering, Jadavpur University

From Industry:

1. Mr. Dulal Chandra Mitra, ISRE(Retd.), Chief Executive, Bridge and Structural, Texmaco Rail Engineering Limited
2. Dr.(Comdt.) J S Sareen (Retd.), Global Head (HR), Simplex Infrastructures Ltd.

Apart from the above mentioned experts, the following internal committee members from UEM, Kolkata were also present:

1. Prof. Somnath Hazra, Head of the Department of Civil Engineering as Chairman, BOS for CE Department
2. Prof. Subhajit Chatterjee, Head of the Department of Electronics and Electrical Engineering
3. Ms. Satabdi Poddar, Assistant Professor, Department of Civil Engineering
4. Mr. Rajdeep Ghosh, Assistant Professor, Department of Civil Engineering

Prof. (Dr.) Sudip Kumar Roy, Professor, and Head of the Department of Civil Engineering Indian Institute of Engineering Science and Technology is a member of BOS and was absent in the meeting due to his pre-occupation.

The meeting started at 2:30 p.m. at Board Room, UEM Kolkata.

Following discussions took place:

A. For 3rd and 4th Semesters

1. The experts went through the course structure of 3rd and 4th semesters which was submitted to AICTE and the revised course structure of the same semesters. There are variations found between the two, the reasons for which are shown and explained to the experts. Their views on the first agenda are as follows:

Sl. No	Suggestions	Actions Taken by UEM, Kolkata
1.	Prof. (Dr.) Biswas suggested shifting the practical courses of corresponding core courses to the following semester as he feels it is easier to conduct the practical if the students have prior subject knowledge. The same has been applied already in Department of Construction Engineering, Jadavpur University	The course structure has been modified suitably. (Revised Annex III)



- The second point of discussion was regarding the course content of Mathematics-III(M402). The experts went through the existing syllabus and agreed to the point that 'Module II: Complex Integration' may be excluded as it has very limited application in Civil Engineering domain.
- The third point of discussion was regarding merging of practical subjects Surveying Practice I & II. Going through the detailed content of both the papers, the experts agreed to our proposal with the following suggestions:

Sl. No	Suggestions	Actions Taken by UEM, Kolkata
1.	Mr. Mitra suggested to include 'Preparation of Contour Drawings, Long Sections, Balancing of Earth' in the course content	The syllabus has been modified accordingly.

- The next point of discussion included the approval of final course structure of 3rd and 4th semesters along with hours and credit distribution. After discussing all the changes in the papers mentioned above, the final course structure of 2nd year is approved.

Sl. No	Suggestions	Actions Taken by UEM, Kolkata
1.	Dr. Sareen and Mr. Mitra has suggested to change the name of the course 'Solid Mechanics' to 'Strength of Materials'	The subject name is changed as per expert's suggestion

B. For existing 5th to 8th Semester (Revised in Annex IIIA)

- The next discussion was about addition of a core theory paper named 'Irrigation Engineering (CE 705C)' in the free elective theory paper "CE705" in 7th Semester. The experts went through the detailed course content of the free elective papers and the core paper and approved the inclusion of the core paper CE705C. The irrelevancy of other free elective non-core papers in civil engineering was supported by Dr. Subhajit Chatterjee. Subsequently an additional management practice paper named "Management Principles for Engineers Practice (CE 793C)" was suggested in the options offered under Free Elective Laboratory (CE 793).
- The next point of discussion was regarding the segregation of Water Resource Engineering (CE 702) into two different papers namely 'Hydrology & Water Resource Engineering (CE 702)' and 'Irrigation Engineering (CE 705C)'. The experts went through the detailed content and approved our proposal with few suggestions.


- | Sl. No | Suggestions | Actions Taken by UEM, Kolkata |
|--------|---|--|
| 1. | After going through the detailed contents of all these papers(provided separately in Annex), the experts suggested to rename the subject 'Irrigation Engineering' to 'Irrigation Engineering and Hydraulic Structures' and modify the course content accordingly. | The subject name is changed and the course has been modified as per expert's suggestion. |



8. General Suggestions:

Sl. No	Suggestions	Actions Taken by UEM, Kolkata
1.	Prof. Biswas suggested to include an elective course on 'Disaster Management' from the civil engineering point of view in the 7 th or 8 th semester	Disaster Management is added as 'CE801D' as an elective paper under Professional Elective IV.
2.	Mr. Mitra suggested to include a paper on 'Engineering Thermodynamics'	Being an inter-disciplinary course, we are in discussion with Mechanical Engineering Department regarding its inclusion in a suitable slot.
3.	Prof. Biswas proposed that MOOC courses can be done as inter-departmental elective paper	Every students of the university across all streams have to undertake an NPTEL course compulsorily per semester as the MOOC course according to the decision of the higher authority. So, the proposal cannot be adhered to.
4.	Dr. Sareen suggested to include the topic 'Basics of Building Information Modeling (BIM)' in the course content of 'CE603 Construction Planning and Management'	The topic has been included in the course content
5.	Dr. Sareen also suggested to include the topic 'Plant and Machinery Management' in the course content of 'CE793C: Management Principles for Engineers'	The topic has been included in the course content

The meeting ended at 4:00p.m. with a vote of thanks by the Chair.


 Prof. Somnath Hazra
 HOD, CE
 UEM, Kolkata

BOS (BHM), UEM, KOLKATA

Date- 15.01.19

Below are the minutes of the said meeting discussed point wise::

1. Full 3 years 6 semester syllabus to be compiled subject wise with credit points.
2. Subject wise content repetition should be identified and omitted as well as new content, if necessary should be imparted depending on modern trends.
3. More focus with innovative projects in practical classes.

A handwritten signature in dark ink, followed by the date '15/1/19' written below it. The signature is stylized and appears to be 'D. S. Ghosh'.

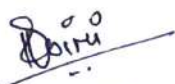
BOARD OF STUDIES BHM DEPARTMENT

Minutes of the meeting held on 13th June, 19 at 2.30 pm. in the board room of the UEM, Kolkata. All the members were present in the meeting. The member secretary greeted all the members who are present in the meeting.

The member secretary read out the meeting agenda to all the members present in the meeting. Agenda wise discussion in details is given below :

1. It has been discussed in the meeting & decided unanimously that earlier the subject - french language was in both the semester i.e., 1st and 2nd semesters, now it is omitted from the 2nd semester.
2. In the 2nd semester new subject has been incorporated viz. Digitalisation of Hospitality Industry.
3. The name of the subject Basic Computers has been changed to Computer Application in Hospitality Industry in 1st semester.
4. The name of the subject Food and Beverage Restuarant Operations has been changed to Food & Beverage Service Operations.
5. The name of the subject Food Costing has been changed to Food and Beverage Management Control in 1st semester and from Beverage Control to Food and Beverage Entrepreneurship and Budgeting in 5th semester.
6. The name of the subject Nutrition & food science has been changed to Nutrition in 1st semester and Food Science and Food Safety in the 2nd semester.
7. The name of the subject Hotel Accountancy has been changed to Basic Accountancy in the 1st semester and from Hotel Accountancy to Hotel Accountancy II in 2nd semester.
8. It is suggested that students should be given more assignments (research / innovative based projects) for their journal.

The meeting ended with a vote of thanks.


POOJA KOIRI
Member Secretary
BOS,



KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>

Seeking approval from BOS on BCA and MCA syllabus modification

29 messages

KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>

Mon, Jan 6, 2020 at 5:14 PM

To: sankhayan@gmail.com, ujjwal_maulik@yahoo.com, umaulik@cse.jdvu.ac.in, kushalbando@gmail.com, Sukalyan Goswami <sukalyan.goswami@uem.edu.in>, VARSHA PODDAR <varsha.poddar@uem.edu.in>, Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>, Debkumar Chowdhury <debkumar.chowdhury@uem.edu.in>, SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>, SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>, SUMIT ANAND <sumit.anand@uem.edu.in>, ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>, SUKANYA ROY <sukanya.roy@uem.edu.in>, MOUMITA BASU <moumita.basu@uem.edu.in>, anamika.dey93@gmail.com, Subarna Sen <sen.subarna1990@gmail.com>, somarpita dutta <duttasomarpita@gmail.com>, KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>, Chayan Halder <chayan.halderz@gmail.com>, "Dr. Anirban Das" <anirban-das@live.com>, ANAY GHOSH <anay.ghosh@uem.edu.in>, POOJARINI MITRA <poojarini.mitra@uem.edu.in>, sandy06.gcect@gmail.com, ao_chowdhury@yahoo.com, aparajitamkhrj8@gmail.com, rituparna.basak02@gmail.com, SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>, nilanjan.byabarta@uem.edu.in, sudipta_basu68@yahoo.com, bakshi.aliva@gmail.com

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>

Mon, Jan 6, 2020 at 5:16 PM

To: Sukalyan Goswami <sukalyan.goswami@uem.edu.in>, VARSHA PODDAR <varsha.poddar@uem.edu.in>, Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>, Debkumar Chowdhury <debkumar.chowdhury@uem.edu.in>, SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>, SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>, SUMIT ANAND <sumit.anand@uem.edu.in>, ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>, SUKANYA ROY <sukanya.roy@uem.edu.in>, MOUMITA BASU <moumita.basu@uem.edu.in>, anamika.dey93@gmail.com, Subarna Sen <sen.subarna1990@gmail.com>, somarpita dutta <duttasomarpita@gmail.com>, KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>, Chayan Halder <chayan.halderz@gmail.com>, "Dr. Anirban Das" <anirban-das@live.com>, ANAY GHOSH <anay.ghosh@uem.edu.in>, POOJARINI MITRA <poojarini.mitra@uem.edu.in>, sandy06.gcect@gmail.com, ao_chowdhury@yahoo.com, aparajitamkhrj8@gmail.com, rituparna.basak02@gmail.com, SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>, NILANJAN BYABARTA <nilanjan.byabarta@uem.edu.in>, sudipta_basu68@yahoo.com, bakshi.aliva@gmail.com

All BOS internal members,

Kindly provide a one liner approval mail against the previous mail for speedy implementation.

On Mon, Jan 6, 2020 at 5:14 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

--

Warm Regards,
Kaustuv Bhattacharjee

Sandip Mandal <sandy06.gcect@gmail.com>

Mon, Jan 6, 2020 at 5:37 PM

To: KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>

Dear Sir

I am agreeing with these decisions taken by all BoS members after a fruitful discussion. Dept. should incorporate these changes accordingly.

Tank for your concern and brief intimation.

On Mon, 6 Jan 2020, 17:17 KAUSTUV BHATTACHARJEE, <kaustuv.bhattacharjee@uem.edu.in> wrote:

All BOS internal members,

Kindly provide a one liner approval mail against the previous mail for speedy implementation.

On Mon, Jan 6, 2020 at 5:14 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

--

Warm Regards,
Kaustuv Bhattacharjee

SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>
To: KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>

Mon, Jan 6, 2020 at 5:51 PM

Dear Sir,

The introduction of DSDA in the curriculum is highly appreciated.

Thanks & Regards

On Mon 6 Jan, 2020, 5:17 PM KAUSTUV BHATTACHARJEE, <kaustuv.bhattacharjee@uem.edu.in> wrote:

All BOS internal members,

Kindly provide a one liner approval mail against the previous mail for speedy implementation.

On Mon, Jan 6, 2020 at 5:14 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

--

Warm Regards,
Kaustuv Bhattacharjee

Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>
To: KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>

Tue, Jan 7, 2020 at 2:22 PM

Dear Sir,

Please do the necessary changes in syllabus.

Regards,
Bipasha

On Mon, Jan 6, 2020, 17:17 KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:
All BOS internal members,

Kindly provide a one liner approval mail against the previous mail for speedy implementation.

On Mon, Jan 6, 2020 at 5:14 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:
Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

--

Warm Regards,
Kaustuv Bhattacharjee

Sudipta Basu <sudipta_basu68@yahoo.com>

Tue, Jan 7, 2020 at 5:04 PM

Reply-To: Sudipta Basu <sudipta_basu68@yahoo.com>

To: Sukalyan Goswami <sukalyan.goswami@uem.edu.in>, VARSHA PODDAR <varsha.poddar@uem.edu.in>, Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>, Debkumar Chowdhury <debkumar.chowdhury@uem.edu.in>, SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>, SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>, SUMIT ANAND <sumit.anand@uem.edu.in>, ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>, SUKANYA ROY <sukanya.roy@uem.edu.in>, MOUMITA BASU <moumita.basu@uem.edu.in>, anamika.dey93@gmail.com, Subarna Sen <sen.subarna1990@gmail.com>, somarpita dutta <duttasomarpita@gmail.com>, KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>, Chayan Halder <chayan.halderz@gmail.com>, "Dr. Anirban Das" <anirban-das@live.com>, ANAY GHOSH <anay.ghosh@uem.edu.in>, POOJARINI MITRA <poojarini.mitra@uem.edu.in>, sandy06.gcect@gmail.com, ao_chowdhury@yahoo.com, aparajitamkhrj8@gmail.com, rituparna.basak02@gmail.com, SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>, NILANJAN BYABARTA <nilanjan.byabarta@uem.edu.in>, bakshi.aliva@gmail.com

Approved.

Sudipta Basu Pal
Research Scholar
Department of Electrical Engineering
Indian Institute of Engineering Science and Technology, Shibpur
P.O. Botanic Garden, Howrah-711103
West Bengal, India
Alternate E-Mail ID: sudipta.basupal.rs2014@ee.iiests.ac.in

On Monday, 6 January 2020, 05:17:06 pm GMT+5:30, KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

All BOS internal members,

Kindly provide a one liner approval mail against the previous mail for speedy implementation.

On Mon, Jan 6, 2020 at 5:14 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)

2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

--

Warm Regards,
Kaustuv Bhattacharjee

Anamika Dey <anamika.dey93@gmail.com>

Tue, Jan 7, 2020 at 5:09 PM

To: Sudipta Basu <sudipta_basu68@yahoo.com>

Cc: Sukalyan Goswami <sukalyan.goswami@uem.edu.in>, VARSHA PODDAR <VARSHA.PODDAR@uem.edu.in>, Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>, Debkumar Chowdhury <debkumar.chowdhury@uem.edu.in>, SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>, SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>, SUMIT ANAND <sumit.anand@uem.edu.in>, ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>, SUKANYA ROY <sukanya.roy@uem.edu.in>, MOUMITA BASU <moumita.basu@uem.edu.in>, Subarna Sen <sen.subarna1990@gmail.com>, somarpita dutta <duttasomarpita@gmail.com>, KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>, Chayan Halder <chayan.halderz@gmail.com>, "Dr. Anirban Das" <anirban-das@live.com>, ANAY GHOSH <anay.ghosh@uem.edu.in>, POOJARINI MITRA <poojarini.mitra@uem.edu.in>, sandy06.gcect@gmail.com, ao_chowdhury@yahoo.com, aparajitamkhrj8@gmail.com, rituparna.basak02@gmail.com, SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>, NILANJAN BYABARTA <nilanjan.byabarta@uem.edu.in>, bakshi.aliva@gmail.com

Approved

On Tue, 7 Jan 2020, 17:04 Sudipta Basu, <sudipta_basu68@yahoo.com> wrote:

Approved.

Sudipta Basu Pal
Research Scholar
Department of Electrical Engineering
Indian Institute of Engineering Science and Technology, Shibpur
P.O. Botanic Garden, Howrah-711103

West Bengal, India

Alternate E-Mail ID: sudipta.basupal.rs2014@ee.iests.ac.in

On Monday, 6 January 2020, 05:17:06 pm GMT+5:30, KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

All BOS internal members,

Kindly provide a one liner approval mail against the previous mail for speedy implementation.

On Mon, Jan 6, 2020 at 5:14 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

--

Warm Regards,
Kaustuv Bhattacharjee

Sandip Mandal <sandy06.gcect@gmail.com>

Tue, Jan 7, 2020 at 5:12 PM

To: KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>

Cc: Sukalyan Goswami <sukalyan.goswami@uem.edu.in>, VARSHA PODDAR <varsha.poddar@uem.edu.in>, Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>, Debkumar Chowdhury <debkumar.chowdhury@uem.edu.in>, SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>, SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>, SUMIT ANAND <sumit.anand@uem.edu.in>, ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>, SUKANYA ROY <sukanya.roy@uem.edu.in>, MOUMITA BASU <moumita.basu@uem.edu.in>, anamika.dey93@gmail.com, Subarna Sen <sen.subarna1990@gmail.com>, somarpita dutta <duttasomarpita@gmail.com>, Chayan Halder <chayan.halderz@gmail.com>, "Dr. Anirban Das" <anirban-das@live.com>, ANAY GHOSH <anay.ghosh@uem.edu.in>, POOJARINI MITRA <poojarini.mitra@uem.edu.in>, ao_chowdhury@yahoo.com, aparajitamkhrj8@gmail.com, rituparna.basak02@gmail.com, SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>, NILANJAN BYABARTA <nilanjan.byabarta@uem.edu.in>, sudipta_basu68@yahoo.com, bakshi.aliva@gmail.com

Dear Sir

I agree with the decisions taken by all BoS members after a fruitful discussion. Dept. should incorporate these changes accordingly.
Thank for your concern and intimation. Thank you.



Sender notified by
Mailtrack

On Mon, Jan 6, 2020 at 5:17 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

All BOS internal members,

Kindly provide a one liner approval mail against the previous mail for speedy implementation.

On Mon, Jan 6, 2020 at 5:14 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

--
Warm Regards,
Kaustuv Bhattacharjee

--
Sandip Mandal
+91-8449007365

Sukalyan Goswami <sukalyan.goswami@gmail.com>

Tue, Jan 7, 2020 at 5:12 PM

To: KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>

Cc: Sukalyan Goswami <sukalyan.goswami@uem.edu.in>, VARSHA PODDAR <varsha.poddar@uem.edu.in>, Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>, Debkumar Chowdhury <debkumar.chowdhury@uem.edu.in>, SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>, SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>, SUMIT ANAND <sumit.anand@uem.edu.in>, ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>, SUKANYA ROY <sukanya.roy@uem.edu.in>, MOUMITA BASU <moumita.basu@uem.edu.in>, anamika.dey93@gmail.com, Subarna Sen <sen.subarna1990@gmail.com>, somarpita dutta <duttasomarpita@gmail.com>, Chayan Halder <chayan.halderz@gmail.com>, "Dr. Anirban Das" <anirban-das@live.com>, ANAY GHOSH <anay.ghosh@uem.edu.in>, POOJARINI MITRA <poojarini.mitra@uem.edu.in>, sandy06.gcect@gmail.com, ao_chowdhury@yahoo.com, Aparajita Mukherjee <aparajitamkhrj8@gmail.com>, rituparna.basak02@gmail.com, SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>, NILANJAN BYABARTA <nilanjan.byabarta@uem.edu.in>, sudipta_basu68@yahoo.com, bakshi.aliva@gmail.com

Dear Kaustuv Sir,

Please go ahead with the proposed change from the upcoming even semester of 2020.

Thanks and Regards,

Sukalyan.

On Mon, Jan 6, 2020 at 5:17 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:
All BOS internal members,

Kindly provide a one liner approval mail against the previous mail for speedy implementation.

On Mon, Jan 6, 2020 at 5:14 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

--
Warm Regards,
Kaustuv Bhattacharjee

Aparajita Mukherjee <aparajitamkhrj8@gmail.com>

Wed, Jan 8, 2020 at 10:45 AM

To: KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>

Cc: sankhayan@gmail.com, ujjwal_maulik@yahoo.com, umaulik@cse.jdvu.ac.in, kushalbando@gmail.com, Sukalyan Goswami <sukalyan.goswami@uem.edu.in>, VARSHA PODDAR <varsha.poddar@uem.edu.in>, Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>, Debkumar Chowdhury <debkumar.chowdhury@uem.edu.in>, SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>, SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>, SUMIT ANAND <sumit.anand@uem.edu.in>, ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>, SUKANYA ROY <sukanya.roy@uem.edu.in>, MOUMITA BASU <moumita.basu@uem.edu.in>, anamika.dey93@gmail.com, Subarna Sen <sen.subarna1990@gmail.com>, somarpita dutta <duttasomarpita@gmail.com>, Chayan Halder <chayan.halderz@gmail.com>, "Dr. Anirban Das" <anirban-das@live.com>, ANAY GHOSH <anay.ghosh@uem.edu.in>, POOJARINI MITRA <poojarini.mitra@uem.edu.in>, sandy06.gcect@gmail.com, ao_chowdhury@yahoo.com, Aparajita Mukherjee

<aparajitamkhrj8@gmail.com>, rituparna.basak02@gmail.com, SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>, nilanjan.byabarta@uem.edu.in, sudipta_basu68@yahoo.com, bakshi.aliva@gmail.com

Approved.

On Sun, Jan 5, 2020 at 11:44 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

--
With regards
Aparajita Mukherjee
Assistant Professor
Department of Computer Science & Engineering

MOUMITA BASU <moumita.basu@uem.edu.in>

Tue, Jan 7, 2020 at 5:15 PM

To: Aparajita Mukherjee <aparajitamkhrj8@gmail.com>

Cc: KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>, sankhayan@gmail.com, ujjwal_maulik@yahoo.com, umaulik@cse.jdvu.ac.in, kushalbando@gmail.com, Sukalyan Goswami <sukalyan.goswami@uem.edu.in>, VARSHA PODDAR <varsha.poddar@uem.edu.in>, Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>, Debkumar Chowdhury <debkumar.chowdhury@uem.edu.in>, SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>, SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>, SUMIT ANAND <sumit.anand@uem.edu.in>, ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>, SUKANYA ROY <sukanya.roy@uem.edu.in>, anamika.dey93@gmail.com, Subarna Sen <sen.subarna1990@gmail.com>, somarpita dutta <duttasomarpita@gmail.com>, Chayan Halder <chayan.halderz@gmail.com>, "Dr. Anirban Das" <anirban-das@live.com>, ANAY GHOSH <anay.ghosh@uem.edu.in>, POOJARINI MITRA <poojarini.mitra@uem.edu.in>, sandy06.gcect@gmail.com, ao_chowdhury@yahoo.com, rituparna.basak02@gmail.com, SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>, nilanjan.byabarta@uem.edu.in, sudipta_basu68@yahoo.com, bakshi.aliva@gmail.com

Approved

On Tue, Jan 7, 2020, 17:13 Aparajita Mukherjee <aparajitamkhrj8@gmail.com> wrote:

Approved.

On Sun, Jan 5, 2020 at 11:44 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

--

With regards
Aparajita Mukherjee
Assistant Professor
Department of Computer Science & Engineering

anoy chowdhury <ao_chowdhury@yahoo.com>

Tue, Jan 7, 2020 at 5:24 PM

Reply-To: "ao_chowdhury@yahoo.com" <ao_chowdhury@yahoo.com>

To: "kaustuv.bhattacharjee@uem.edu.in" <kaustuv.bhattacharjee@uem.edu.in>, "sankhayan@gmail.com" <sankhayan@gmail.com>, "ujjwal_maulik@yahoo.com" <ujjwal_maulik@yahoo.com>, "umaulik@cse.jdvv.ac.in" <umaulik@cse.jdvv.ac.in>, "kushalbando@gmail.com" <kushalbando@gmail.com>, Sukalyan Goswami <sukalyan.goswami@uem.edu.in>, VARSHA PODDAR <varsha.poddar@uem.edu.in>, Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>, Deb Kumar Chowdhury <debkumar.chowdhury@uem.edu.in>, SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>, SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>, SUMIT ANAND <sumit.anand@uem.edu.in>, ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>, SUKANYA ROY <sukanya.roy@uem.edu.in>, MOUMITA BASU <moumita.basu@uem.edu.in>, "anamika.dey93@gmail.com" <anamika.dey93@gmail.com>, Subarna Sen <sen.subarna1990@gmail.com>, somarpita dutta <duttasomarpita@gmail.com>, Chayan Halder <chayan.halderz@gmail.com>, "Dr. Anirban Das" <anirban-das@live.com>, ANAY GHOSH <anay.ghosh@uem.edu.in>, POOJARINI MITRA <poojarini.mitra@uem.edu.in>, "sandy06.gcect@gmail.com" <sandy06.gcect@gmail.com>, "aparajitamkhrj8@gmail.com" <aparajitamkhrj8@gmail.com>, "rituparna.basak02@gmail.com" <rituparna.basak02@gmail.com>, SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>, "nilanjan.byabarta@uem.edu.in" <nilanjan.byabarta@uem.edu.in>, "sudipta_basu68@yahoo.com" <sudipta_basu68@yahoo.com>, "bakshi.aliva@gmail.com" <bakshi.aliva@gmail.com>

Approved.

Anoy Chowdhury.
[Sent from Yahoo Mail on Android](#)

On Mon, 6 Jan 2020 at 17:14, KAUSTUV BHATTACHARJEE
<kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
 Kaustuv Bhattacharjee
 Head of the Department,
 Department of Computer Applications (CA),
 University of Engineering and Management (UEM), Kolkata

POOJARINI MITRA <poojarini.mitra@uem.edu.in>

Wed, Jan 8, 2020 at 11:00 AM

To: KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>

Cc: sankhayan@gmail.com, ujjuwal_maulik@yahoo.com, umaulik@cse.jdvu.ac.in, kushalbando@gmail.com, Sukalyan Goswami <sukalyan.goswami@uem.edu.in>, VARSHA PODDAR <varsha.poddar@uem.edu.in>, Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>, Deb Kumar Chowdhury <debkumar.chowdhury@uem.edu.in>, SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>, SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>, SUMIT ANAND <sumit.anand@uem.edu.in>, ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>, SUKANYA ROY <sukanya.roy@uem.edu.in>, MOUMITA BASU <moumita.basu@uem.edu.in>, anamika.dey93@gmail.com, Subarna Sen <sen.subarna1990@gmail.com>, somarpita dutta <duttasomarpita@gmail.com>, Chayan Halder <chayan.halderz@gmail.com>, "Dr. Anirban Das" <anirban-das@live.com>, ANAY GHOSH <anay.ghosh@uem.edu.in>, sandy06.gcect@gmail.com, ao_chowdhury@yahoo.com, aparajitamkhrj8@gmail.com, Rituparna Basak <rituparna.basak02@gmail.com>, SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>, nilanjan.byabarta@uem.edu.in, sudipta_basu68@yahoo.com, bakshi.aliva@gmail.com

Respected All,

This shall be very beneficial for the students.

Thanks & regards,
 Poojarini Mitra

On Sun, Jan 5, 2020 at 11:44 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even

semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>

Tue, Jan 7, 2020 at 5:57 PM

To: POOJARINI MITRA <poojarini.mitra@uem.edu.in>

Cc: KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>, sankhayan@gmail.com, ujjwal_maulik@yahoo.com, umaulik@cse.jdvu.ac.in, kushalbando@gmail.com, Sukalyan Goswami <sukalyan.goswami@uem.edu.in>, VARSHA PODDAR <varsha.poddar@uem.edu.in>, Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>, Debkumar Chowdhury <debkumar.chowdhury@uem.edu.in>, SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>, SUMIT ANAND <sumit.anand@uem.edu.in>, ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>, SUKANYA ROY <sukanya.roy@uem.edu.in>, MOUMITA BASU <moumita.basu@uem.edu.in>, anamika.dey93@gmail.com, Subarna Sen <sen.subarna1990@gmail.com>, somarpita dutta <duttasomarpita@gmail.com>, Chayan Halder <chayan.halderz@gmail.com>, "Dr. Anirban Das" <anirban-das@live.com>, ANAY GHOSH <anay.ghosh@uem.edu.in>, sandy06.gcect@gmail.com, ao_chowdhury@yahoo.com, aparajitamkhrj8@gmail.com, Rituparna Basak <rituparna.basak02@gmail.com>, SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>, nilanjan.byabarta@uem.edu.in, sudipta_basu68@yahoo.com, bakshi.aliva@gmail.com

Dear Sir/Madam,

I agree with the changes made to the curriculum as decided by the BOS as stated in the mail dated 06/01/2020.

Thanks & Regards

Sankhadeep Chatterjee

On Tue 7 Jan, 2020, 5:29 PM POOJARINI MITRA, <poojarini.mitra@uem.edu.in> wrote:

Respected All,

This shall be very beneficial for the students.

Thanks & regards,

Poojarini Mitra

On Sun, Jan 5, 2020 at 11:44 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

VARSHA PODDAR <varsha.poddar@uem.edu.in>

Tue, Jan 7, 2020 at 6:17 PM

To: SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>

Cc: POOJARINI MITRA <poojarini.mitra@uem.edu.in>, KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>, sankhayan@gmail.com, ujwal_maulik@yahoo.com, umaulik@cse.jdvu.ac.in, kushalbando@gmail.com, Sukalyan Goswami <sukalyan.goswami@uem.edu.in>, Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>, Debkumar Chowdhury <debkumar.chowdhury@uem.edu.in>, SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>, SUMIT ANAND <sumit.anand@uem.edu.in>, ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>, SUKANYA ROY <sukanya.roy@uem.edu.in>, MOUMITA BASU <moumita.basu@uem.edu.in>, Anamika Dey <anamika.dey93@gmail.com>, Subarna Sen <sen.subarna1990@gmail.com>, somarpita dutta <duttasomarpita@gmail.com>, Chayan Halder <chayan.halderz@gmail.com>, "Dr. Anirban Das" <anirban-das@live.com>, ANAY GHOSH <anay.ghosh@uem.edu.in>, sandy06.gcect@gmail.com, ao_chowdhury@yahoo.com, aparajitamkhrj8@gmail.com, Rituparna Basak <rituparna.basak02@gmail.com>, SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>, NILANJAN BYABARTA <nilanjan.byabarta@uem.edu.in>, sudipta_basu68@yahoo.com, bakshi.aliva@gmail.com

Respected all,

The decision will be very beneficial for the students.

Hence, approved.

Regards,
Varsha.

On Tue, Jan 7, 2020 at 5:57 PM SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in> wrote:
Dear Sir/Madam,

I agree with the changes made to the curriculum as decided by the BOS as stated in the mail dated 06/01/2020.

Thanks & Regards

Sankhadeep Chatterjee

On Tue 7 Jan, 2020, 5:29 PM POOJARINI MITRA, <poojarini.mitra@uem.edu.in> wrote:
Respected All,

This shall be very beneficial for the students.

Thanks & regards,
Poojarini Mitra

On Sun, Jan 5, 2020 at 11:44 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:
Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th

semester]

2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)

3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

Subarna Sen <sen.subarna1990@gmail.com>

Tue, Jan 7, 2020 at 6:21 PM

To: VARSHA PODDAR <varsha.poddar@uem.edu.in>

Cc: SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>, POOJARINI MITRA <poojarini.mitra@uem.edu.in>, KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>, sankhayan@gmail.com, ujwal_maulik@yahoo.com, umaulik@cse.jdvu.ac.in, kushalbando@gmail.com, Sukalyan Goswami <sukalyan.goswami@uem.edu.in>, Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>, Debkumar Chowdhury <debkumar.chowdhury@uem.edu.in>, SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>, SUMIT ANAND <sumit.anand@uem.edu.in>, ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>, SUKANYA ROY <sukanya.roy@uem.edu.in>, MOUMITA BASU <moumita.basu@uem.edu.in>, Anamika Dey <anamika.dey93@gmail.com>, somarpita dutta <duttasomarpita@gmail.com>, Chayan Halder <chayan.halderz@gmail.com>, "Dr. Anirban Das" <anirban-das@live.com>, ANAY GHOSH <anay.ghosh@uem.edu.in>, sandy06.gcect@gmail.com, ao_chowdhury@yahoo.com, aparajitamkhrj8@gmail.com, Rituparna Basak <rituparna.basak02@gmail.com>, SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>, NILANJAN BYABARTA <nilanjan.byabarta@uem.edu.in>, sudipta_basu68@yahoo.com, bakshi.aliva@gmail.com

Respected Sir

I think these changes will be very beneficial for our students. I completely agree with the proposed changes.

On Tue 7 Jan, 2020, 6:17 PM VARSHA PODDAR, <varsha.poddar@uem.edu.in> wrote:

Respected all,

The decision will be very beneficial for the students.

Hence, approved.

Regards,
Varsha.

On Tue, Jan 7, 2020 at 5:57 PM SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in> wrote:

Dear Sir/Madam,

I agree with the changes made to the curriculum as decided by the BOS as stated in the mail dated 06/01/2020.

Thanks & Regards

Sankhadeep Chatterjee

On Tue 7 Jan, 2020, 5:29 PM POOJARINI MITRA, <poojarini.mitra@uem.edu.in> wrote:

Respected All,

This shall be very beneficial for the students.

Thanks & regards,
Poojarini Mitra

On Sun, Jan 5, 2020 at 11:44 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

somarpita dutta <duttasomarpita@gmail.com>

Tue, Jan 7, 2020 at 6:24 PM

To: KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>

Cc: Sukalyan Goswami <sukalyan.goswami@uem.edu.in>, VARSHA PODDAR <varsha.poddar@uem.edu.in>, Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>, Debkumar Chowdhury <debkumar.chowdhury@uem.edu.in>, SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>, SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>, SUMIT ANAND <sumit.anand@uem.edu.in>, ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>, SUKANYA ROY <sukanya.roy@uem.edu.in>, MOUMITA BASU <moumita.basu@uem.edu.in>, anamika.dey93@gmail.com, Subarna Sen <sen.subarna1990@gmail.com>, Chayan Halder <chayan.halderz@gmail.com>, "Dr. Anirban Das" <anirban-das@live.com>, ANAY GHOSH <anay.ghosh@uem.edu.in>, POOJARINI MITRA <poojarini.mitra@uem.edu.in>, sandy06.gcect@gmail.com, ao_chowdhury@yahoo.com,

aparajitamkhrj8@gmail.com, rituparna.basak02@gmail.com, SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>, NILANJAN BYABARTA <nilanjan.byabarta@uem.edu.in>, sudipta_basu68@yahoo.com, bakshi.aliva@gmail.com

Approved

On Mon, 6 Jan, 2020, 5:17 PM KAUSTUV BHATTACHARJEE, <kaustuv.bhattacharjee@uem.edu.in> wrote:

All BOS internal members,

Kindly provide a one liner approval mail against the previous mail for speedy implementation.

On Mon, Jan 6, 2020 at 5:14 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

--

Warm Regards,
Kaustuv Bhattacharjee

Debkumar Chowdhury <debkumar.chowdhury@uem.edu.in>

Tue, Jan 7, 2020 at 6:51 PM

To: KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>

Dear Kaustuv Sir,

Please go ahead with the proposed change from the upcoming even semester of 2020.

Thanks and Regards,
Debkumar Chowdhury

On Mon, Jan 6, 2020 at 5:14 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

Nilanjan Byabarta <nilanjan.ece@gmail.com>

Tue, Jan 7, 2020 at 8:53 PM

To: somarpita dutta <duttasomarpita@gmail.com>

Cc: KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>, Sukalyan Goswami <sukalyan.goswami@uem.edu.in>, VARSHA PODDAR <varsha.poddar@uem.edu.in>, Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>, Debkumar Chowdhury <debkumar.chowdhury@uem.edu.in>, SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>, SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>, SUMIT ANAND <sumit.anand@uem.edu.in>, ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>, SUKANYA ROY <sukanya.roy@uem.edu.in>, MOUMITA BASU <moumita.basu@uem.edu.in>, anamika.dey93@gmail.com, Subarna Sen <sen.subarna1990@gmail.com>, Chayan Halder <chayan.halderz@gmail.com>, "Dr.

Anirban Das" <anirban-das@live.com>, ANAY GHOSH <anay.ghosh@uem.edu.in>, POOJARINI MITRA <poojarini.mitra@uem.edu.in>, sandy06.gcect@gmail.com, ao_chowdhury@yahoo.com, aparajitamkhrj8@gmail.com, rituparna.basak02@gmail.com, SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>, NILANJAN BYABARTA <nilanjan.byabarta@uem.edu.in>, sudipta_basu68@yahoo.com, bakshi.aliva@gmail.com

I completely understand and agree with the proposal suggested by you.

Thanks and regards
Nilanjan Byabarta

On Tue, Jan 7, 2020 at 6:24 PM somarpita dutta <duttasomarpita@gmail.com> wrote:

Approved

On Mon, 6 Jan, 2020, 5:17 PM KAUSTUV BHATTACHARJEE, <kaustuv.bhattacharjee@uem.edu.in> wrote:

All BOS internal members,

Kindly provide a one liner approval mail against the previous mail for speedy implementation.

On Mon, Jan 6, 2020 at 5:14 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

--
Warm Regards,
Kaustuv Bhattacharjee

--

With Regards
Nilanjan Byabarta
Assistant Professor
University Of Engineering & Management
Ph No.-9153051003
email id: nilanjan.byabarta@uem.edu.in
web: <http://uem.edu.in/>

Rituparna Basak <rituparna.basak02@gmail.com>

Tue, Jan 7, 2020 at 9:39 PM

To: KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>

Cc: ANAY GHOSH <anay.ghosh@uem.edu.in>, ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>, Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>, Chayan Halder <chayan.halderz@gmail.com>, Debkumar Chowdhury <debkumar.chowdhury@uem.edu.in>, "Dr. Anirban Das" <anirban-das@live.com>, MOUMITA BASU <moumita.basu@uem.edu.in>, POOJARINI MITRA <poojarini.mitra@uem.edu.in>, SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>, SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>, SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>, SUKANYA ROY <sukanya.roy@uem.edu.in>, SUMIT ANAND <sumit.anand@uem.edu.in>, Subarna Sen <sen.subarna1990@gmail.com>, Sukalyan Goswami <sukalyan.goswami@uem.edu.in>, VARSHA PODDAR <varsha.poddar@uem.edu.in>, anamika.dey93@gmail.com, ao_chowdhury@yahoo.com, aparajitamkhrj8@gmail.com, bakshi.aliva@gmail.com, kushalbando@gmail.com, nilanjan.byabarta@uem.edu.in, sandy06.gcect@gmail.com, sankhayan@gmail.com, somarpita dutta <duttasomarpita@gmail.com>, sudipta_basu68@yahoo.com, ujjwal_maulik@yahoo.com, umaulik@cse.jdvu.ac.in

Approved.

On Mon, 6 Jan 2020 at 5:14 PM, KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th

semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>

Tue, Jan 7, 2020 at 10:04 PM

To: Rituparna Basak <rituparna.basak02@gmail.com>

Cc: KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>, ANAY GHOSH <anay.ghosh@uem.edu.in>, ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>, Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>, Chayan Halder <chayan.halderz@gmail.com>, Debkumar Chowdhury <debkumar.chowdhury@uem.edu.in>, "Dr. Anirban Das" <anirban-das@live.com>, MOUMITA BASU <moumita.basu@uem.edu.in>, POOJARINI MITRA <poojarini.mitra@uem.edu.in>, SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>, SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>, SUKANYA ROY <sukanya.roy@uem.edu.in>, SUMIT ANAND <sumit.anand@uem.edu.in>, Subarna Sen <sen.subarna1990@gmail.com>, Sukalyan Goswami <sukalyan.goswami@uem.edu.in>, VARSHA PODDAR <varsha.poddar@uem.edu.in>, anamika.dey93@gmail.com, ao_chowdhury@yahoo.com, aparajitamkhrj8@gmail.com, bakshi.aliva@gmail.com, kushalbando@gmail.com, NILANJAN BYABARTA <nilanjan.byabarta@uem.edu.in>, sandy06.gcect@gmail.com, sankhayan@gmail.com, somarpita dutta <duttasomarpita@gmail.com>, sudipta_basu68@yahoo.com, ujjwal_maulik@yahoo.com, umaulik@cse.jdvu.ac.in

Approved.

Regards...

Subhalaxmi Chakraborty
UEM-Kolkata

On Mon, 6 Jan 2020 at 5:14 PM, KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
 Kaustuv Bhattacharjee
 Head of the Department,
 Department of Computer Applications (CA),
 University of Engineering and Management (UEM), Kolkata

Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>

Wed, Jan 8, 2020 at 8:48 AM

To: KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>

Cc: sankhayan@gmail.com, ujjwal_maulik@yahoo.com, umaulik@cse.jdvu.ac.in, kushalbando@gmail.com, Sukalyan Goswami <sukalyan.goswami@uem.edu.in>, VARSHA PODDAR <varsha.poddar@uem.edu.in>, Debkumar Chowdhury <debkumar.chowdhury@uem.edu.in>, SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>, SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>, SUMIT ANAND <sumit.anand@uem.edu.in>, ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>, SUKANYA ROY <sukanya.roy@uem.edu.in>, MOUMITA BASU <moumita.basu@uem.edu.in>, anamika.dey93@gmail.com, Subarna Sen <sen.subarna1990@gmail.com>, somarpita dutta <duttasomarpita@gmail.com>, Chayan Halder <chayan.halderz@gmail.com>, "Dr. Anirban Das" <anirban-das@live.com>, ANAY GHOSH <anay.ghosh@uem.edu.in>, POOJARINI MITRA <poojarini.mitra@uem.edu.in>, sandy06.gcect@gmail.com, ao_chowdhury@yahoo.com, aparajitamkhrj8@gmail.com, rituparna.basak02@gmail.com, SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>, nilanjan.byabarta@uem.edu.in, sudipta_basu68@yahoo.com, bakshi.aliva@gmail.com

Dear Sir,
 Please do the required changes in the syllabus.

Regards,
 Bipasha

On Mon, Jan 6, 2020, 17:14 KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
 Kaustuv Bhattacharjee
 Head of the Department,
 Department of Computer Applications (CA),
 University of Engineering and Management (UEM), Kolkata

SUKANYA ROY <sukanya.roy@uem.edu.in>

Wed, Jan 8, 2020 at 10:53 AM

To: KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>

Cc: sankhayan@gmail.com, ujjwal_maulik@yahoo.com, umaulik@cse.jdvu.ac.in, kushalbando@gmail.com, Sukalyan Goswami <sukalyan.goswami@uem.edu.in>, VARSHA PODDAR <varsha.poddar@uem.edu.in>, Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>, Deb Kumar Chowdhury <debkumar.chowdhury@uem.edu.in>, SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>, SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>, SUMIT ANAND <sumit.anand@uem.edu.in>, ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>, MOUMITA BASU <moumita.basu@uem.edu.in>, Anamika Dey <anamika.dey93@gmail.com>, Subarna Sen <sen.subarna1990@gmail.com>, somarpita dutta <duttasomarpita@gmail.com>, Chayan Halder <chayan.halderz@gmail.com>, "Dr. Anirban Das" <anirban-das@live.com>, ANAY GHOSH <anay.ghosh@uem.edu.in>, POOJARINI MITRA <poojarini.mitra@uem.edu.in>, sandy06.gcect@gmail.com, ao_chowdhury@yahoo.com, aparajitamkhrj8@gmail.com, rituparna.basak02@gmail.com, SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>, nilanjan.byabarta@uem.edu.in, sudipta_basu68@yahoo.com, bakshi.aliva@gmail.com

Approved

On Mon, Jan 6, 2020 at 5:14 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

anirban das <anirban-das@live.com>

Wed, Jan 8, 2020 at 1:01 PM

To: KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>

Dear Sir,
I feel the initiative is really great and will be extremely beneficial for our students.

Regards
AD

From: KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>

Sent: Monday, January 6, 2020 5:16:54 PM

To: Sukalyan Goswami <sukalyan.goswami@uem.edu.in>; VARSHA PODDAR <varsha.poddar@uem.edu.in>; Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>; Debkumar Chowdhury <debkumar.chowdhury@uem.edu.in>; SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>; SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>; SUMIT ANAND <sumit.anand@uem.edu.in>; ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>; SUKANYA ROY <sukanya.roy@uem.edu.in>; MOUMITA BASU <moumita.basu@uem.edu.in>; anamika.dey93@gmail.com <anamika.dey93@gmail.com>; Subarna Sen <sen.subarna1990@gmail.com>; somarpita dutta <duttasomarpita@gmail.com>; KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>; Chayan Halder <chayan.halderz@gmail.com>; Dr. Anirban Das <anirban-das@live.com>; ANAY GHOSH <anay.ghosh@uem.edu.in>; POOJARINI MITRA <poojarini.mitra@uem.edu.in>; sandy06.gcect@gmail.com <sandy06.gcect@gmail.com>; ao_chowdhury@yahoo.com <ao_chowdhury@yahoo.com>; aparajitamkhrj8@gmail.com <aparajitamkhrj8@gmail.com>; rituparna.basak02@gmail.com <rituparna.basak02@gmail.com>; SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>; NILANJAN BYABARTA <nilanjan.byabarta@uem.edu.in>; sudipta_basu68@yahoo.com <sudipta_basu68@yahoo.com>; bakshi.aliva@gmail.com <bakshi.aliva@gmail.com>

Subject: Re: Seeking approval from BOS on BCA and MCA syllabus modification

All BOS internal members,

Kindly provide a one liner approval mail against the previous mail for speedy implementation.

On Mon, Jan 6, 2020 at 5:14 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

--
Warm Regards,
Kaustuv Bhattacharjee

Kushal Banerjee <kushalbando@gmail.com>

Wed, Jan 8, 2020 at 2:18 PM

To: SUKANYA ROY <sukanya.roy@uem.edu.in>

Cc: KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>, sankhayan@gmail.com, ujjuwal_maulik@yahoo.com, umaulik@cse.jdvu.ac.in, Sukalyan Goswami <sukalyan.goswami@uem.edu.in>, VARSHA PODDAR <varsha.poddar@uem.edu.in>, Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>, Deb Kumar Chowdhury <debkumar.chowdhury@uem.edu.in>, SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>, SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>, SUMIT ANAND <sumit.anand@uem.edu.in>, ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>, MOUMITA BASU <moumita.basu@uem.edu.in>, Anamika Dey <anamika.dey93@gmail.com>, Subarna Sen <sen.subarna1990@gmail.com>, somarpita dutta

<duttasomarpita@gmail.com>, Chayan Halder <chayan.halderz@gmail.com>, "Dr. Anirban Das" <anirban-das@live.com>, ANAY GHOSH <anay.ghosh@uem.edu.in>, POOJARINI MITRA <poojarini.mitra@uem.edu.in>, sandy06.gcect@gmail.com, ao_chowdhury@yahoo.com, aparajitamkhrj8@gmail.com, rituparna.basak02@gmail.com, SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>, nilanjan.byabarta@uem.edu.in, sudipta_basu68@yahoo.com, bakshi.aliva@gmail.com

Dear Kaustuv,

Approved the changes for MCA curriculum, but for BCA I would like to suggest moving the paper on Numerical Analysis and Algorithms to 5th semester instead of 6th semester to accommodate papers on DSA suitably.

On Wed, Jan 8, 2020 at 10:54 AM SUKANYA ROY <sukanya.roy@uem.edu.in> wrote:

Approved

On Mon, Jan 6, 2020 at 5:14 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

Kushal Banerjee <kushalbando@gmail.com>

Wed, Jan 8, 2020 at 2:23 PM

To: SUKANYA ROY <sukanya.roy@uem.edu.in>

Cc: KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>, sankhayan@gmail.com, ujwal_maulik@yahoo.com, umaulik@cse.jdvu.ac.in, Sukalyan Goswami <sukalyan.goswami@uem.edu.in>, VARSHA PODDAR <varsha.poddar@uem.edu.in>, Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>, Debkumar Chowdhury <debkumar.chowdhury@uem.edu.in>, SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>, SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>, SUMIT ANAND <sumit.anand@uem.edu.in>, ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>, MOUMITA BASU <moumita.basu@uem.edu.in>, Anamika Dey <anamika.dey93@gmail.com>, Subarna Sen <sen.subarna1990@gmail.com>, somarpita dutta <duttasomarpita@gmail.com>, Chayan Halder <chayan.halderz@gmail.com>, "Dr. Anirban Das" <anirban-das@live.com>, ANAY GHOSH <anay.ghosh@uem.edu.in>, POOJARINI MITRA <poojarini.mitra@uem.edu.in>, sandy06.gcect@gmail.com, ao_chowdhury@yahoo.com, aparajitamkhrj8@gmail.com, rituparna.basak02@gmail.com, SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>, nilanjan.byabarta@uem.edu.in, sudipta_basu68@yahoo.com, bakshi.aliva@gmail.com

Sorry, one mistake in my earlier reply - pls read Numerical Methods in place of Numerical Analysis and DSDA in place of DSA.

Regards

Kushal Banerjee

On Wed, Jan 8, 2020 at 2:18 PM Kushal Banerjee <kushalbando@gmail.com> wrote:

Dear Kaustuv,

Approved the changes for MCA curriculum, but for BCA I would like to suggest moving the paper on Numerical Analysis and Algorithms to 5th semester instead of 6th semester to accommodate papers on DSA suitably.

On Wed, Jan 8, 2020 at 10:54 AM SUKANYA ROY <sukanya.roy@uem.edu.in> wrote:

Approved

On Mon, Jan 6, 2020 at 5:14 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]

2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>

Wed, Jan 8, 2020 at 2:42 PM

To: Kushal Banerjee <kushalbando@gmail.com>

Cc: SUKANYA ROY <sukanya.roy@uem.edu.in>, KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>, sankhayan@gmail.com, ujjwal_maulik@yahoo.com, umaulik@cse.jdvu.ac.in, Sukalyan Goswami <sukalyan.goswami@uem.edu.in>, VARSHA PODDAR <varsha.poddar@uem.edu.in>, Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>, Debkumar Chowdhury <debkumar.chowdhury@uem.edu.in>, SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>, SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>, SUMIT ANAND <sumit.anand@uem.edu.in>, MOUMITA BASU <moumita.basu@uem.edu.in>, Anamika Dey <anamika.dey93@gmail.com>, Subarna Sen <sen.subarna1990@gmail.com>, somarpita dutta <duttasomarpita@gmail.com>, Chayan Halder <chayan.halderz@gmail.com>, "Dr. Anirban Das" <anirban-das@live.com>, ANAY GHOSH <anay.ghosh@uem.edu.in>, POOJARINI MITRA <poojarini.mitra@uem.edu.in>, sandy06.gcect@gmail.com, ao_chowdhury@yahoo.com, aparajitamkhrj8@gmail.com, rituparna.basak02@gmail.com, SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>, NILANJAN BYABARTA <nilanjan.byabarta@uem.edu.in>, sudipta_basu68@yahoo.com, bakshi.aliva@gmail.com

Approved

On Wed, Jan 8, 2020 at 2:23 PM Kushal Banerjee <kushalbando@gmail.com> wrote:

Sorry, one mistake in my earlier reply - pls read Numerical Methods in place of Numerical Analysis and DSDA in place of DSA.

Regards

Kushal Banerjee

On Wed, Jan 8, 2020 at 2:18 PM Kushal Banerjee <kushalbando@gmail.com> wrote:

Dear Kaustuv,

Approved the changes for MCA curriculum, but for BCA I would like to suggest moving the paper on Numerical Analysis and Algorithms to 5th semester instead of 6th semester to accommodate papers on DSA suitably.

On Wed, Jan 8, 2020 at 10:54 AM SUKANYA ROY <sukanya.roy@uem.edu.in> wrote:

Approved

On Mon, Jan 6, 2020 at 5:14 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the

competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

--

Arunabha Tarafdar

Assistant Professor

Department of Computer Science & Engineering

University of Engineering & Management, Kolkata

KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>

Wed, Jan 8, 2020 at 3:00 PM

To: Kushal Banerjee <kushalbando@gmail.com>

Cc: SUKANYA ROY <sukanya.roy@uem.edu.in>, "sankhayan@gmail.com" <sankhayan@gmail.com>, "ujjwal_maulik@yahoo.com" <ujjwal_maulik@yahoo.com>, "umaulik@cse.jdvu.ac.in" <umaulik@cse.jdvu.ac.in>, Sukalyan Goswami <sukalyan.goswami@uem.edu.in>, VARSHA PODDAR <varsha.poddar@uem.edu.in>, Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>, Debkumar Chowdhury <debkumar.chowdhury@uem.edu.in>, SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>, SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>, SUMIT ANAND <sumit.anand@uem.edu.in>, ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>, MOUMITA BASU <moumita.basu@uem.edu.in>, Anamika Dey <anamika.dey93@gmail.com>, Subarna Sen <sen.subarna1990@gmail.com>, somarpita dutta <duttasomarpita@gmail.com>, Chayan Halder <chayan.halderz@gmail.com>, "Dr. Anirban Das" <anirban-das@live.com>, ANAY GHOSH <anay.ghosh@uem.edu.in>, POOJARINI MITRA <poojarini.mitra@uem.edu.in>, "sandy06.gcect@gmail.com" <sandy06.gcect@gmail.com>, "ao_chowdhury@yahoo.com" <ao_chowdhury@yahoo.com>, "aparajitamkhrj8@gmail.com" <aparajitamkhrj8@gmail.com>, "rituparna.basak02@gmail.com" <rituparna.basak02@gmail.com>, SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>, "nilanjan.byabarta@uem.edu.in" <nilanjan.byabarta@uem.edu.in>, "sudipta_basu68@yahoo.com" <sudipta_basu68@yahoo.com>, "bakshi.aliva@gmail.com" <bakshi.aliva@gmail.com>, somnath banerjee <babunsona2003@gmail.com>

Respected Sir,

Thanks a lot for your valuable comment.
We will incorporate the changes as per your suggestion.

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

On Wednesday, January 8, 2020, Kushal Banerjee <kushalbando@gmail.com> wrote:

Dear Kaustuv,

Approved the changes for MCA curriculum, but for BCA I would like to suggest moving the paper on Numerical Analysis and Algorithms to 5th semester instead of 6th semester to accommodate papers on DSA suitably.

On Wed, Jan 8, 2020 at 10:54 AM SUKANYA ROY <sukanya.roy@uem.edu.in> wrote:

Approved

On Mon, Jan 6, 2020 at 5:14 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

Warm Regards,

Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

--
Warm Regards,
Kaustuv Bhattacharjee

somnath banerjee <babunsona2003@gmail.com>

Wed, Jan 8, 2020 at 4:09 PM

To: KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in>

Cc: Kushal Banerjee <kushalbando@gmail.com>, SUKANYA ROY <sukanya.roy@uem.edu.in>, "sankhayan@gmail.com" <sankhayan@gmail.com>, "ujjwal_maulik@yahoo.com" <ujjwal_maulik@yahoo.com>, "umaulik@cse.jdvu.ac.in" <umaulik@cse.jdvu.ac.in>, Sukalyan Goswami <sukalyan.goswami@uem.edu.in>, VARSHA PODDAR <varsha.poddar@uem.edu.in>, Bipasha Mukherjee <bipasha.mukherjee@uem.edu.in>, Deb Kumar Chowdhury <debkumar.chowdhury@uem.edu.in>, SUDIPTO KUMAR MONDAL <sudipto.mondal@uem.edu.in>, SANKHADEEP CHATTERJEE <sankhadeep.chatterjee@uem.edu.in>, SUMIT ANAND <sumit.anand@uem.edu.in>, ARUNABHA TARAFDAR <arunabha.tarafdar@uem.edu.in>, MOUMITA BASU <moumita.basu@uem.edu.in>, Anamika Dey <anamika.dey93@gmail.com>, Subarna Sen <sen.subarna1990@gmail.com>, somarpita dutta <duttasomarpita@gmail.com>, Chayan Halder <chayan.halderz@gmail.com>, "Dr. Anirban Das" <anirban-das@live.com>, ANAY GHOSH <anay.ghosh@uem.edu.in>, POOJARINI MITRA <poojarini.mitra@uem.edu.in>, "sandy06.gcect@gmail.com" <sandy06.gcect@gmail.com>, "ao_chowdhury@yahoo.com" <ao_chowdhury@yahoo.com>, "aparajitamkhrj8@gmail.com" <aparajitamkhrj8@gmail.com>, "rituparna.basak02@gmail.com" <rituparna.basak02@gmail.com>, SUBHALAXMI CHAKRABORTY <subhalaxmi.chakraborty@uem.edu.in>, "nilanjan.byabarta@uem.edu.in" <nilanjan.byabarta@uem.edu.in>, "sudipta_basu68@yahoo.com" <sudipta_basu68@yahoo.com>, "bakshi.aliva@gmail.com" <bakshi.aliva@gmail.com>

DEAR SIR,

I AM AGREE WITH THAT.

THANKS,
SOMNATH BANERJEE

On Wed, Jan 8, 2020 at 3:00 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected Sir,

Thanks a lot for your valuable comment.
We will incorporate the changes as per your suggestion.

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

On Wednesday, January 8, 2020, Kushal Banerjee <kushalbando@gmail.com> wrote:

Dear Kaustuv,

Approved the changes for MCA curriculum, but for BCA I would like to suggest moving the paper on Numerical Analysis and Algorithms to 5th semester instead of 6th semester to accommodate papers on DSA suitably.

On Wed, Jan 8, 2020 at 10:54 AM SUKANYA ROY <sukanya.roy@uem.edu.in> wrote:

Approved

On Mon, Jan 6, 2020 at 5:14 PM KAUSTUV BHATTACHARJEE <kaustuv.bhattacharjee@uem.edu.in> wrote:

Respected BOS members,

Based on the current industry need it is realized that Data Science and Data Analysis (DSDA) [both theory and practical] is an important subject for the students of both BCA and MCA for their career progression. This subject is currently in the BCA syllabus in 6th semester, and not part of MCA syllabus. We are planning to introduce this subject for MCA course. At the same time offering this subject in the 6th semester may not provide the competitive edge to the students appearing for various job interviews during 4th and 5th semester.

Keeping these in mind, the following proposals are kept before the BOS for a formal approval (highlighted in green) to implement them from the even semester commencing from January 2020:

BCA:

1. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
2. Moving Numerical Methods and Algorithms (BCA404) and Environment and Ecology (BCA405) from 4th semester to the 6th semester from the current 4th semester batch (2018-2021)

MCA:

1. Introduction of DSDA in 6th semester for the current 6th semester batch (2017-2020) [only for the current 6th semester batch it will be taken in 6th semester]
2. Introduction of DSDA in 4th semester from the current 4th semester batch (2018-2021)
3. Moving Graphics & Multimedia (MCA402) and Graphics & Multimedia Laboratory (MCA492) from 4th semester to the 6th semester from the current 4th semester batch(2018-2021)

Warm Regards,
Kaustuv Bhattacharjee
Head of the Department,
Department of Computer Applications (CA),
University of Engineering and Management (UEM), Kolkata

--
Warm Regards,
Kaustuv Bhattacharjee

University of Engineering & Management, Kolkata

Department of Bachelor of Business Administrations (LLB)

**Minutes of the 3rd Board of Studies Meeting held at the
University Campus on 13th February, 2019 at 3:00 p.m.**

All Members / Special Invitees were present: All members of BOS of department

Agenda Item Number - 1:

Welcome note to be delivered by the chairman to the members of Board of Studies.

The meeting started with the welcome note by the chairman of BOS and extending warm greetings to our external experts present.

Agenda Item Number - 2:

Confirmation on the minutes of Previous BOS meeting. The chairman praised the the board reagrding the minutes of the Previous BOS meeting and regarding incorporations of Governing body decissions in meetings. Other Experts also praised the board for their valuable suggestions that has been incorporated in the in the syllabus.

Resolutions: No further comments were received.

Agenda Item Number - 3:

Suggestion for incorporation of industry expert in BOS.

External Expert suggested as the new member of BOS as discussed. The chairman, BOS will be sending an invitation mail to him in this regard.

Agenda Item Number - 4:

Any other matter with the permission of the members.

The meeting ended with vote of thanks by the chairman, BOS.

University of Engineering & Management, Kolkata

Department of Master of Business Administrations

**Minutes of the 3rd Board of Studies Meeting held at the
University Campus on 13th February, 2019 at 3:00 p.m.**

All Members / Special Invitees were present: All members of BOS of department

Agenda Item Number - 1:

Welcome note to be delivered by the chairman to the members of Board of Studies.

The meeting started with the welcome note by the chairman of BOS and extending warm greetings to our external experts present.

Agenda Item Number - 2:

Confirmation on the minutes of Previous BOS meeting. The chairman praised the the board reagrding the minutes of the Previous BOS meeting and regarding incorporations of Governing body decissions in meetings. Other Experts also praised the board for their valuable suggestions that has been incorporated in the in the syllabus.

Resolutions: No further comments were received.

Agenda Item Number - 3:

Suggestion for incorporation of industry expert in BOS.

External Expert suggested as the new member of BOS as discussed. The chairman, BOS will be sending an invitation mail to him in this regard.

Agenda Item Number - 4:

Any other matter with the permission of the members.

The meeting ended with vote of thanks by the chairman, BOS.

University of Engineering & Management, Kolkata

Department of Bachelor of Business Administrations

**Minutes of the 3rd Board of Studies Meeting held at the
University Campus on 13th February, 2019 at 3:00 p.m.**

All Members / Special Invitees were present: All members of BOS of department

Agenda Item Number - 1:

Welcome note to be delivered by the chairman to the members of Board of Studies.

The meeting started with the welcome note by the chairman of BOS and extending warm greetings to our external experts present.

Agenda Item Number - 2:

Confirmation on the minutes of Previous BOS meeting. The chairman praised the the board reagrding the minutes of the Previous BOS meeting and regarding incorporations of Governing body decissions in meetings. Other Experts also praised the board for their valuable suggestions that has been incorporated in the in the syllabus.

Resolutions: No further comments were received.

Agenda Item Number - 3:

Suggestion for incorporation of industry expert in BOS.

External Expert suggested as the new member of BOS as discussed. The chairman, BOS will be sending an invitation mail to him in this regard.

Agenda Item Number - 4:

Any other matter with the permission of the members.

The meeting ended with vote of thanks by the chairman, BOS.

Appendix 5.9

**Details of Malpractice cases reported during last 3
years**

APPENDIX 5.9

5.9 Mention the number of malpractice cases reported during the last 3 years and how they are dealt with?

If the malpractice case comes to supervising staff basing on circumstantial evidence, the case is to be decided according to the rules of exam conduction which is an expulsion of the candidate from the exam hall and cancellation in the current paper.

The number of malpractice cases reported during the last 3 years are given below.

Year	No. of Malpractice cases
2021	57
2020	74
2019	61

Appendix 5.13

Details of Exam conduction & Result Publication

APPENDIX 5.13

**5.14 How regular and time-bound are conduct of examinations and announcement of results?
Substantiate with details of dates of examinations and announcement of results for the last 3 years.**

Details are as follows:

YEAR	Date of Exams	Date of announcement of results
2021-EVEN	03-05-2021	27-05-2021
	31-05-2021	05-08-2021
	21-06-2021	Not Yet Published
2020-ODD	15-02-2021	30-03-2021
	14-12-2020	31-03-2021
2020-EVEN	06-05-2020	27-05-2020
	01-06-2020	17-08-2020
2019-ODD	09-12-2019	28-02-2020
2019-EVEN	22-04-2019	23-05-2019
	02-05-2019	16-07-2019

Appendix 8.1

Sanctioned and filled up posts

Appendix 8.1

Total no. of Sanctioned and filled up posts (Institution-wise and Department-wise)

Department	Professor		Associate Professor		Assistant Professor	
	Sanctioned	Filled	Sanctioned	Filled	Sanctioned	Filled
Computer Science & Engineering (CSE)	8	8	16	16	48	48
Computer Science & Technology (CST)	5	5	10	10	30	30
Computer Science & Information Technology (CSIT)	2	2	4	4	12	12
Computer Science and Business System (CSBS)	1	1	0	0	2	2
Computer Science and Engineering (Internet of Things and Cyber Security Including Block Chain Technology) CSE(IOT+CY S+BC)	1	1	0	0	2	2
Computer Science and Engineering (Artificial Intelligence and Machine Learning) CSE (AI+ML)	0	0	1	1	2	2
Electronics And Communication Engineering (ECE)	6	6	11	11	35	35
Electrical And Electronics Engineering (EEE)	1	1	0	0	1	1
Electrical	1	1	2	2	8	8

Engineering (EE)						
Mechanical Engineering (ME)	1	1	3	3	7	7
Civil Engineering (CE)	1	1	2	2	7	7
Biotechnology (BT)	1	1	2	2	5	5
Bachelor Of Computer Application (BCA)	2	2	3	3	10	10
Master Of Computer Application (MCA)	1	1	2	2	6	6
Bachelor Of Business Administration (BBA)	2	2	3	3	10	10
Masters Of Business Administration (MBA)	1	1	2	2	6	6
Bachelor Of Business Administration + Bachelor Of Legislative Law (Honours) (BBA-LLB)	1	1	2	2	3	3
Bachelor Of Hotel And Hospitality Management (BHM)	1	1	2	2	4	4

Appendix 8.6

Advertisement Copies of Recruitment of Faculty Members

Appendix-8.6

University of Engineering & Management (UEM)
University of Engineering & Management, requires candidates for the following posts in Kolkata & Jaipur

PROFESSORS, ASSOCIATE PROFESSORS, ASSISTANT PROFESSORS, PLACEMENT OFFICERS, JRF & SRF

in CSE, ECE, EE, IT, ME, CIVIL, EEE, PHYSICS, MATHS, ENGLISH, BIO-TECH, BHMCT / BHM (Bachelor in Hotel & Hospitality Management), Bachelor in Film & TV Media, BPT (Bachelor in Physiotherapy), MBA (Finance, HR, Systems, Marketing, Supply Chain & Logistics Management, Retail Management, Digital Marketing Management, Event Management) and SOFT SKILL

- Also require Technical Assistants, Software Programmers, Workshop Technicians, Marketing Executives, Front Office Executives, Executive Assistants, Librarian and Counselors.
- Perquisites as per UGC norms.
- Opportunity for doing Ph.D. publication, patent filing, training, upgradation, attending seminars, workshops etc.
- Ph.D is desirable for all faculty positions.

Please apply with resume in duplicate within 10 days superscribing the envelope with the name of the post applied for, location and passport size photograph (non-returnable) to University of Engineering & Management (UEM), 'University Area', Plot No. III-B/5, New Town, Action Area - III, Kolkata - 700160. Also e-mail a copy of resume at jobs@iemcal.com

E-mail: jobs@iemcal.com Website: www.uem.edu.in

Year-2017

IEM-UEM Group Invites Applications for the following posts

Subject Experts, Content and Material Developers, Magazine Developers and Faculty Members for the following courses

GATE

Group A : CSE, IT, ECE, ME, EE, BT, CE

Group B : NEET & JEE MAINS
PHYSICS, CHEMISTRY, BIOLOGY, MATHEMATICS

Group C : UPSC & WBCS
HISTORY, GEOGRAPHY, POLITY, ECONOMY, ENGLISH, MATHEMATICS, REASONING, CULTURE & HERITAGE, GENERAL SCIENCE, SOCIOLOGY, ANTHROPOLOGY

Eligibility:

Group-A : Sound knowledge in subject with a good GATE score

Group-B : Professionals from the institutes of National repute with sound knowledge in subject

Group-C : Persons who are having experience more than 5 years in the same domain can apply

Please apply (within 14 days) with Resume in duplicate as soon as possible superscribing the envelope with the name of the post applied for and passport size photograph (non returnable) to UEM Kolkata Campus, Action Area-III, New Town, Kolkata-700160.
Ph: 08296292772, E-mail: jobs@iemcal.com

Year-2018

University of Engineering & Management (UEM) and Institute of Engineering & Management (IEM)
Require candidates for the following posts in Kolkata & Jaipur

PROFESSORS, ASSOCIATE PROFESSORS, ASSISTANT PROFESSORS, PLACEMENT OFFICERS, JRF & SRF

in CSE, ECE, EE, IT, ME, CIVIL, EEE, PHYSICS, MATHS, ENGLISH, BIO-TECH, BHMCT / BHM (Bachelor in Hotel & Hospitality Management), L.L.B., MBA (Finance, HR, Systems, Marketing, Supply Chain & Logistics Management, Retail Management, Digital Marketing Management, Event Management) and SOFT SKILLS

- Also require Technical Assistants, Software Programmers, System Administrator, Workshop Technicians, Sports Instructor, Marketing Executives, Front Office Executives, Executive Assistants, Librarian and Counselors.
- Perquisites as per UGC/AICTE norms.
- Opportunity for doing Ph.D. publication, patent filing, training, upgradation, attending seminars, workshops etc.

Please apply with resume in duplicate as soon as possible superscribing the envelope with the name of the post applied for, and passport size photograph (non-returnable) to **Institute of Engineering & Management (IEM), 'GURUKUL', Y-12, Salt Lake Electronics Complex, Sector - V, Kolkata - 700091.** Also e-mail a copy of resume at jobs@iemcal.com

Website: www.uem.edu.in

Year-2019

University of Engineering & Management (UEM) and Institute of Engineering & Management (IEM)
(Established by an Act of State Govt. & u/s 22 of UGC Act, Ministry of HRD, Govt. of India)

Requires Professors, Associate Professors, Assistant Professors with Ph.D

in CSE, ECE, IT, ME, EE, Civil

Candidates must be B.Tech + M.Tech [or MS from Foreign University+Ph.D (Tech/Engg.)]

Salary as per 6th pay commission

To & fro A/C II Tier Train fare from present address to Kolkata will be reimbursed against submission of xerox copy of ticket.

Interested candidates may send CV along with current pay slip within 10 days superscribing the envelope with the name of the post applied for, location and passport size photograph (non-returnable) to 'The Principal, Institute of Engineering & Management (IEM), Y-12, Salt Lake Electronics Complex, Sector-V, Kolkata-700091'.

Email: jobs@iemcal.com | Website: www.iem.edu.in

Year-2020

Appendix 12.1

Research Profile

Appendix-12.1
Departmental Research Profile

DEPARTMENT NAME: Computer Science Engineering, Computer Science and Technology, Computer Science and Information Technology	
Faculty and Department-wise information to be provided in respect of the following	
Student Teacher Ratio	20:01
Class Rooms	32
Teaching Labs	6
Research labs (Major Equipments)	NA
Research Scholars (M.Tech, Ph.D., Post Doctoral Scholars)	78
Publications in Last three years (Year wise List)	17 (Year 2017)
	17 (Year 2018)
	15 (Year 2019)
No. of Books Published	2
Patents	NA
Transfer of Technology	NA
Inter-departmental Research (Inter-disciplinary)	NA
Consultancy	NA
Externally funded Research Projects	NA
Educational Programmes Arranged	3 Workshop, 1 Seminar, 2 International Conference (UEMCON), Invited talk- 8, Virtual Tour - 04, Poster competition 2, Model competition 2, 2 Coding Olympiad

DEPARTMENT NAME: Computer Science and Engineering (AI+ML)	
Faculty and Department-wise information to be provided in respect of the following	
Student Teacher Ratio	20:01
Class Rooms	1
Teaching Labs	1
Research labs (Major Equipments)	NA
Research Scholars (M.Tech, Ph.D., Post Doctoral Scholars)	0
Publications in Last three years (Year wise List)	1 (Year 2020)
No. of Books Published	0
Patents	NA
Transfer of Technology	NA
Inter-departmental Research (Inter-disciplinary)	NA
Consultancy	NA
Externally funded Research Projects	NA
Educational Programmes Arranged	Invited talk- 2,1 Workshop, Virtual Industrial tour - 02

DEPARTMENT NAME: Computer Science and Engineering (IOT, BLOCK CHAIN AND CYBER SECURITY)	
Faculty and Department-wise information to be provided in respect of the following	
Student Teacher Ratio	20:01
Class Rooms	1
Teaching Labs	1
Research labs (Major Equipments)	NA
Research Scholars (M.Tech, Ph.D., Post Doctoral Scholars)	0
Publications in Last three years (Year wise List)	1 (Year 2020)
No. of Books Published	0
Patents	NA
Transfer of Technology	NA
Inter-departmental Research (Inter-disciplinary)	NA
Consultancy	NA
Externally funded Research Projects	NA
Educational Programmes Arranged	Invited talk- 2,1 Workshop, Virtual Industrial tour - 02

DEPARTMENT NAME: Computer Science and Business Systems	
Faculty and Department-wise information to be provided in respect of the following	
Student Teacher Ratio	20:01
Class Rooms	1
Teaching Labs	1
Research labs (Major Equipments)	NA
Research Scholars (M.Tech, Ph.D., Post Doctoral Scholars)	0
Publications in Last three years (Year wise List)	1 (Year 2020)
No. of Books Published	0
Patents	NA
Transfer of Technology	NA
Inter-departmental Research (Inter-disciplinary)	NA
Consultancy	NA
Externally funded Research Projects	NA
Educational Programmes Arranged	Invited talk- 2,1 Workshop, Virtual Industrial tour - 02

DEPARTMENT NAME: Electronics and Communication Engineering	
Faculty and Department-wise information to be provided in respect of the following	
Student Teacher Ratio	20:01
Class Rooms	8
Teaching Labs	6
Research labs (Major Equipments)	NA
Research Scholars (M.Tech, Ph.D., Post Doctoral Scholars)	15
Publications in Last three years (Year wise List)	25 (Year 2017)
	37 (Year 2018)
	45 (Year 2019)
No. of Books Published	2
Patents	NA
Transfer of Technology	NA
Inter-departmental Research (Inter-disciplinary)	NA
Consultancy	NA
Externally funded Research Projects	NA
Educational Programmes Arranged	Conference(Optronix), Seminar, Invited Talk

DEPARTMENT NAME: Electrical and Electronics Engineering	
Faculty and Department-wise information to be provided in respect of the following	
Student Teacher Ratio	20:01
Class Rooms	1
Teaching Labs	2
Research labs (Major Equipments)	1
Research Scholars (M.Tech, Ph.D., Post Doctoral Scholars)	0
Publications in Last three years (Year wise List)	1 (Year 2019)
No. of Books Published	2
Patents	NA
Transfer of Technology	NA
Inter-departmental Research (Inter-disciplinary)	NA
Consultancy	NA
Externally funded Research Projects	1(DST)
Educational Programmes Arranged	1 International Conference , Invited talk- 2,1 Workshop, Virtual Industrial tour - 01

DEPARTMENT NAME: Electrical Engineering	
Faculty and Department-wise information to be provided in respect of the following	
Student Teacher Ratio	20:01
Class Rooms	4
Teaching Labs	6
Research labs (Major Equipments)	NA
Research Scholars (M.Tech, Ph.D., Post Doctoral Scholars)	2
Publications in Last three years (Year wise List)	14 (Year 2017)
	29 (Year 2018)
	18 (Year 2019)
No. of Books Published	NA
Patents	NA
Transfer of Technology	NA
Inter-departmental Research (Inter-disciplinary)	NA
Consultancy	NA
Externally funded Research Projects	NA
Educational Programmes Arranged	14

DEPARTMENT NAME: Mechanical Engineering	
Faculty and Department-wise information to be provided in respect of the following	
Student Teacher Ratio	20:01
Class Rooms	4
Teaching Labs	6
Research labs (Major Equipments)	3D Printer
Research Scholars (M.Tech, Ph.D., Post Doctoral Scholars)	5
Publications in Last three years (Year wise List)	02 (Year 2017)
	11 (Year 2018)
	8 (Year 2019)
No. of Books Published	NA
Patents	NA
Transfer of Technology	NA
Inter-departmental Research (Inter-disciplinary)	NA
Consultancy	NA
Externally funded Research Projects	NA
Educational Programmes Arranged	7

DEPARTMENT NAME: Civil Engineering	
Faculty and Department-wise information to be provided in respect of the following	
Student Teacher Ratio	20:01
Class Rooms	2
Teaching Labs	6
Research labs (Major Equipments)	NA
Research Scholars (M.Tech, Ph.D., Post Doctoral Scholars)	1
Publications in Last three years (Year wise List)	15 (Year 2019)
	5 (Year 2020)
No. of Books Published	NA
Patents	NA
Transfer of Technology	NA
Inter-departmental Research (Inter-disciplinary)	NA
Consultancy	NA
Externally funded Research Projects	NA
Educational Programmes Arranged	3 Workshop, 2 International Conference (Biospectrum), Invited talk- 8, Industry visit - 04, Poster competition 2, Model competition 2

DEPARTMENT NAME: BIOTECHNOLOGY	
Faculty and Department-wise information to be provided in respect of the following	
Student Teacher Ratio	20:01
Class Rooms	4
Teaching Labs	6
Research labs (Major Equipments)	PCR, ELISA Plate Reader, UV-Vis Spectrophotometr, Laminar Air Flow, BOD Incubator, Tissue Culture Rack, Food Dehydrator, Microcentrifuge
Research Scholars (M.Tech, Ph.D., Post Doctoral Scholars)	Nil
Publications in Last three years (Year wise List)	10 (Year 2018)
	15 (Year 2019)
	17 (Year 2020)
No. of Books Published	NA
Patents	NA
Transfer of Technology	NA
Inter-departmental Research (Inter-disciplinary)	NA
Consultancy	NA
Externally funded Research Projects	NA
Educational Programmes Arranged	3 Workshop, 2 International Conference (Biospectrum), Invited talk- 8, Industry visit - 04, Poster competition 2, Model competition 2

DEPARTMENT NAME: First Year (BSH)	
Faculty and Department-wise information to be provided in respect of the following	
Student Teacher Ratio	NA
Class Rooms	NA
Teaching Labs	4
Research labs (Major Equipments)	NA
Research Scholars (M.Tech, Ph.D., Post Doctoral Scholars)	24
Publications in Last three years (Year wise List)	NA
	NA
	NA
No. of Books Published	NA
Patents	NA
Transfer of Technology	NA
Inter-departmental Research (Inter-disciplinary)	NA
Consultancy	NA
Externally funded Research Projects	NA
Educational Programmes Arranged	NA

DEPARTMENT NAME: Bachelor of Computer Applications (BCA)	
Faculty and Department-wise information to be provided in respect of the following	
Student Teacher Ratio	25:01
Class Rooms	4
Teaching Labs	3
Research labs (Major Equipments)	0
Research Scholars (M.Tech, Ph.D., Post Doctoral Scholars)	NA
Publications in last 3 years (Year-wise list)	2020-1
	2019-2
	2018-14
No. of Books Published	2020-0
	2019-0
	2018-3
Patents	0
Transfer of Technology	NA
Inter-departmental Research (Inter-disciplinary)	NA
Consultancy	NA
Externally funded Research Projects	NA
Educational Programmes Arranged	3 (IEMCON, UEMCON, FDP)

DEPARTMENT NAME: Masters of Computer Applications (MCA)	
Faculty and Department-wise information to be provided in respect of the following	
Student Teacher Ratio	12:01
Class Rooms	3
Teaching Labs	3
Research labs (Major Equipments)	0
Research Scholars (M.Tech, Ph.D., Post Doctoral Scholars)	55
Publications in last 3 years (Year-wise list)	2020-1
	2019-2
	2018-14
No. of Books Published	2020-0
	2019-0
	2018-3
Patents	0
Transfer of Technology	NA
Inter-departmental Research (Inter-disciplinary)	NA
Consultancy	NA
Externally funded Research Projects	NA
Educational Programmes Arranged	3 (IEMCON, UEMCON, FDP)

DEPARTMENT NAME: Bachelor of Business Administration (BBA)	
Faculty and Department-wise information to be provided in respect of the following	
Student Teacher Ratio	25:01
Class Rooms	4
Teaching Labs	1
Research labs (Major Equipments)	NA
Research Scholars (M.Tech, Ph.D., Post Doctoral Scholars)	1
Publications in last 3 years (Year-wise list)	2019-2020: 10
	2018-2019: 4
	2017-2018: 3
No. of Books Published	0
Patents	0
Transfer of Technology	0
Inter-departmental Research (Inter-disciplinary)	0
Consultancy	0
Externally funded Research Projects	0
Educational Programmes Arranged	Convention:3 MDP:2 Poster Competition: 1 Business Plan Competition:1 Distinguished Lecture Series: 5 Industrial Visit:1

DEPARTMENT NAME: Masters of Business Administration (MBA)	
Faculty and Department-wise information to be provided in respect of the following	
Student Teacher Ratio	12:01
Class Rooms	2
Teaching Labs	1
Research labs (Major Equipments)	NA
Research Scholars (M.Tech, Ph.D., Post Doctoral Scholars)	24
Publications in last 3 years (Year-wise list)	2019-2020: 10
	2018-2019: 4
	2017-2018: 3
No. of Books Published	0
Patents	0
Transfer of Technology	0
Inter-departmental Research (Inter-disciplinary)	0
Consultancy	0
Externally funded Research Projects	0
Educational Programmes Arranged	Convention:3 MDP:2 Poster Competition: 1 Business Plan Competition:1 Distinguished Lecture Series: 5 Industrial Visit:1

DEPARTMENT NAME: BBA-LLB	
Faculty and Department-wise information to be provided in respect of the following	
Student Teacher Ratio	25:01
Class Rooms	3
Teaching Labs	0
Research labs (Major Equipments)	0
Research Scholars (M.Tech, Ph.D., Post Doctoral Scholars)	0
Publications in last 3 years (Year-wise list)	2019-2020: 2
	2018-2019: 0
	2017-2018: 7
No. of Books Published	0
Patents	0
Transfer of Technology	0
Inter-departmental Research (Inter-disciplinary)	0
Consultancy	0
Externally funded Research Projects	0
Educational Programmes Arranged	<p>1. 2 (TWO) POSTER COMPETITION</p> <p>2. 10 (TEN) DEPARTMENTAL TALKS BY DISTINGUISHED SCHOLARS</p>

DEPARTMENT NAME: Bachelor in Hotel and Hospitality Management	
Faculty and Department-wise information to be provided in respect of the following	
Student Teacher Ratio	25:01
Class Rooms	3
Teaching Labs	3
Research labs (Major Equipments)	0
Research Scholars (M.Tech, Ph.D., Post Doctoral Scholars)	0
Publications in last 3 years (Year-wise list)	0
	0
	0
No. of Books Published	0
Patents	0
Transfer of Technology	0
Inter-departmental Research (Inter-disciplinary)	0
Consultancy	0
Externally funded Research Projects	0
Educational Programmes Arranged	BOS, Industry Tour, Workshop

Appendix 14.1

Course-wise academic results of the past three years

Appendix 14.1
Examination Results

FACULTY-WISE AND COURSE-WISE ACEDOMIC RESULTS OF THE PAST 3 YEARS	FACULTY OF ENGINEERING	YEAR	SL. NO.	COURSE	ACADEMIC YEAR	NO. OF STUDENTS APPEARED	RESULTS (NO. OF STUDENTS PASSED)
		2018	1	B.TECH	FIRST YEAR	859	848
			2		SECOND YEAR	1223	1213
			3		THIRD YEAR	980	979
			4	BCA	FIRST YEAR	61	60
			5		SECOND YEAR	63	63
			6		THIRD YEAR	15	14
			7	MCA	FIRST YEAR	14	14
			8		SECOND YEAR	4	4
			9		THIRD YEAR	10	10
		2019	10	B.TECH	FIRST YEAR	851	846
			11		SECOND YEAR	780	766
			12		THIRD YEAR	1168	1152
			13		FOURTH YEAR	977	977
			14	BCA	FIRST YEAR	120	114
			15		SECOND YEAR	60	60
			16		THIRD YEAR	63	63
			17	MCA	FIRST YEAR	21	20
			18		SECOND YEAR	13	13
		19	THIRD YEAR		4	4	
		2020	20	B.TECH	FIRST YEAR	962	962
			21		SECOND YEAR	846	846
22	THIRD YEAR		766		766		

		23		FOURTH YEAR	1152	1152
		24	BCA	FIRST YEAR	108	108
		25		SECOND YEAR	111	111
		26		THIRD YEAR	60	60
		27	MCA	FIRST YEAR	52	52
		28		SECOND YEAR	20	20
		29		THIRD YEAR	13	13
	FACULTY OF MANAGEMENT	2018	BBA	FIRST YEAR	59	57
				SECOND YEAR	26	26
				THIRD YEAR	12	12
			MBA	FIRST YEAR	7	7
		2019	BBA	FIRST YEAR	99	99
				SECOND YEAR	57	57
				THIRD YEAR	25	25
			MBA	FIRST YEAR	24	23
				SECOND YEAR	7	7
		2020	BBA	FIRST YEAR	132	132
				SECOND YEAR	92	92
				THIRD YEAR	56	56
			MBA	FIRST YEAR	52	52
				SECOND YEAR	22	22
	FACULTY OF LAW	2018	BBA-LLB	FIRST YEAR		
		2019	BBA-LLB	FIRST YEAR	14	12
				SECOND YEAR		
		2020	BBA-LLB	FIRST YEAR	25	25
				SECOND YEAR	12	12

			49		THIRD YEAR		
	FACULTY OF HOTEL MANAGEMENT	2018	50	BHM	FIRST YEAR		
		2019	51	BHM	FIRST YEAR	13	13
			52		SECOND YEAR		
		2020	53	BHM	FIRST YEAR	46	46
			54		SECOND YEAR	11	11
			55		THIRD YEAR		
	FACULTY OF RESEARCH & DEVELOPMENT	2020	56			153(ONGOING PhD STUDENTS)	ON GOING

Appendix 15.4

Special Achievements by the University

Appendix 15.4

1. Significant Achievement of the University

- I. UEM, Kolkata has foreign collaboration for Teacher / Student exchange with the following Universities :
 - Iwate Prefectural University, Japan
 - Esc Rennes School Of Business, France
 - Brunel University, London
 - University Of Nevada, Las Vegas
- II. The University has framed the International Scheme to facilitate and support international programmes. Five Schemes are supported under this program:
 - i. IUIP International Faculty Outreach Program
 - ii. IUIP International Research Scholar Support Program
 - iii. IUIP International Student Scholarship Program
 - iv. IUIP International Workshops / Meetings
 - v. IUIP Student International Travel Support
- III. The following international / national conferences were organized by UEM in the year 2018 till date :
 - IEEE CCWC 2018 (8th – 10th January, 2018) at Las Vegas, USA
 - RENAISSANCE OF ENTREPRENEURSHIP IN BENGAL (6th – 7th February, 2018) at UEM, Kolkata
 - SPECTRUM 2018 (17th February, 2018) at IEM Management House Campus
 - IEM E HACKON 2018 (6th – 7th April, 2018) at IEM Gurukul Campus
 - IEM ENTECH 2018 (4th – 5th May, 2018) at IEM Gurukul Campus
 - BIOSPECTRUM 2018 (27th – 28th July, 2018) at UEM, Kolkata
 - IEM GRAPH 2018 (6th – 7th September, 2018) at IEM Gurukul Campus
 - IEEE IEMCON 2018 (1st – 3rd November, 2018) at Vancouver, Canada
 - IEM CONVENTION 2018 (30th – 2nd December, 2018) at UEM, Kolkata.
 - IEEE 2019 4th International Conference on Opto-Electronics and Applied Optics (Optronix) (18th-20th March, 2019) at UEM, Kolkata.
 - IEEE 1st international conference on ubiquitous and emerging concepts on sensors and transducers (UEM COS 2019) (25th-27th April, 2019) at UEM, Kolkata.
 - UEMCOS 2020 (22th – 24th OCT 2020) at UEM Kolkata
 - UEMGREEN 2021 (6th – 8th April 2021) at UEM Kolkata
- IV. The University was recognised as a valuable NPTEL Local Chapter by NPTEL at IIT, Kharagpur with a rating of “AA” (Eastern Zonal Champion) based on the performance of UEM, Kolkata in NPTEL Online Certification courses for July – December 2017 and January – June 2018 cycles.
- V. MOST INNOVATIVE PRIVATE UNIVERSITY AWARD: UEM was honoured on receiving the award, “the Most Innovative Private University” on February 18,

2017 at the Hotel Taj Lands End, Mumbai by DNA newsgroup, BBC Knowledge.

- VI. GOLDEN GLOBE TIGERS AWARD : UEM has been internationally recognized at Kuala Lumpur, Malaysia on 24th April, 2017 as the "Best Educational Institute in Engineering" under the "Educational Leadership Program" in the prestigious "Golden Globe Tigers Award" 2017.
- VII. Ranked in top 100 BBA Institutions in India by Times Ranking for B-Schools (UEM Kolkata 44)
- VIII. IIIHM (Hotel Management School of UEM Kolkata) has ranked top for consecutive 3 years by the Prestigious CSR Group – 2019, 2020 & 2021.