

Second Year - Third Semester

A.TH	IEORY						
Sl	Subject	Theory	Contac	Credit			
No.	Code			Points			
			L	T	P	Total	
1	HU301	Values & Ethics in Profession	3	0	0	3	3
2	M301	Mathematics-3	3	1	0	4	4
3	CH301	Basic Environmental Engineering &	3	1	0	4	4
		Disaster Management					
4	CS301	Digital Logic Design	3	1	0	4	4
5	CS302	Data Structure & Algorithm	3	1	0	3	4
6	GS301	Essential Studies for Professionals – III	2	0	0	2	2
	Total of Theory						
B. PF	RACTICAL						
7	CS391	Digital Logic Design Lab	0	0	3	3	2
8	CS392	Data Structure & Algorithm Lab	0	0	3	3	2
9	HU381	Technical Report Writing & Language Lab	0	0	2	2	2
		Total of Practical				8	6
C. SE	ESSIONAL						
10	GS381	Skill Development for Professionals – III	2	0	0	2	1
	Total of Sessional						
	Total of Semester						



Second Year - Fourth Semester

A.TH	IEORY Subject	Theory	Conts	act Hours/	Week		Credit
No.	Code	Theory					Points
			L	T	P	Total	
1	M(CS)401	Numerical Methods	2	1	0	3	2
2	CS401	Data Communication	3	0	0	3	3
3	CS402	Formal Language & Automata Theory	3	1	0	4	4
4	CS403	Computer Organisation & Architecture	3	1	0	4	4
5	CS404	Discrete Mathematics	3	1	0	4	4
6	GS401	Essential Studies for Professionals – IV	2	0	0	2	2
Total of Theory						20	19
B. PF	RACTICAL	·				•	•
7	M(CS)491	Numerical Methods Lab	0	0	3	3	2
8	CS491	Data Communication Lab	0	0	3	3	2
9	CS492	Software Tools	0	0	3	3	2
10	CS493	Computer Organisation & Architecture Lab	0	0	3	3	2
		Total of Practical				12	8
C. SE	ESSIONAL						
11	GS481	Skill Development for Professionals – IV	2	0	0	2	1
	•	Total of Sessional		•		2	1
		Total of Semester				34	28



Third Year - Fifth Semester

	HEORY						
S1	Subject	Theory	Cont	Credit			
No.	Code				Points		
			L	T	P	Total	
1	HU501	Economics for Engineers	3	0	0	3	3
2	CS501	Design & Analysis of Algorithm	3	1	0	4	4
3	CS502	Microprocessors & Microcontrollers	3	1	0	4	4
4	CS503	Data Base Management Systems	3	1	0	4	4
5	GS501	Essential Studies for Professionals – V	2	0	0	2	2
6	Free		3	0	0	3	3
	Elective						
	CS504A	Circuit Theory & Network					
	CS504B	Data Communication					
	CS504C	Digital Signal Processing					
	CS504D	Object Oriented Programming using Java					
		Total of Theory				20	20
B. Pl	RACTICAL						
7	CS591	Design & Analysis of Algorithm Lab	0	0	3	3	2
8	CS592	Microprocessors & Microcontrollers Lab	0	0	3	3	2
9	CS593	Data Base Management Systems Lab	0	0	3	3	2
10	F.E.						
	CS594A	Circuit Theory & Network Lab					
	CS594B	Data Communication Lab	0	0	3	3	2
	CS594C	Digital Signal Processing Lab					
	CS594D	Object Oriented Programming using Java					
		Total of Practical				12	8
C. Sl	ESSIONAL						
11	GS581	Skill Development for Professionals – V	2	0	0	2	1
		Total of Sessional				2	1
		Total of Semester				34	29



Third Year - Sixth Semester

Sl	IEORY	There	Cant	act Hou	/XX	1_	Credit
	Subject	Theory	Cont	K			
No.	Code		L	Т	P	Total	Points
1	HU601	Principles of Management	2	0	0	2	2
2	CS601	Software Engineering	3	0	0	3	3
3	CS602	Computer Networks	3	1	0	4	4
4	CS603	Operating System	3	0	0	3	3
5	GS601	Essential Studies for Professionals – VI	2	0	0	2	2
6	P.E	Essential Studies for Professionals – VI	3	0	0	3	3
0		Human Dasaynaa Managamant	3	U	U	3	3
	CS604A CS604B	Human Resource Management Computer Graphics & Multimedia					
	CS604B CS604C	Information Theory & Coding					
7	F. E.	Information Theory & Coding	3	0	0	3	3
/		Data Caianas & Data Analatica	3	0	0	3	3
	CS605A	Data Science & Data Analytics					
	CS605B	Operation Research Distributed DBMS					
	CS605C					20	20
D DE	A CELCAL	Total of Theory				20	20
	RACTICAL		0		2	1 0	1 2
8	CS691	Software Engineering Lab using C++	0	0	3	3	2
9	CS692	Computer Networks Lab	0	0	3	3	2
10	CS693	Operating System Lab	0	0	3	3	2
11	CS695	A. Data Science & Data Analytics Lab	0	0	3	3	2
		B. Operation Research Lab					
		C. Distributed DBMS Lab					
12	CS681	Seminar	0	0	3	3	2
		Total of Practical				15	10
C. SE	ESSIONAL						
13	GS681	Skill Development for Professionals - VI	2	0	0	2	1
		Total of Sessional				2	1
		Total of Semester				37	31
		Industrial Training to be done during	ng 6 th - 7 th Seme	ster brea	ık.		



Fourth Year - Seventh Semester

	HEORY						T ==
Sl No.	Subject Code	Theory	Conta	act Hours	s/Week		Credit Points
			L	T	P	Total	
1	CS701	Artificial Intelligence	3	0	0	3	3
2	CS702	Cryptography & Network Security	2	0	0	2	2
3	CS703	Compiler Design	2	0	0	2	2
4	GS701	Essential Studies for Professionals – VII	2	0	0	2	2
5	CS704	A. Pattern Recognition B. Soft Computing C. Distributed Operating System D. Image Processing	3	0	0	3	3
6	CS705	A. Advanced Computer Architecture B. Data Warehousing and Data Mining C. Sensor Networks D. Internet Technology	3	0	0	3	3
7	CS706	A. Mobile Computing B. Microelectronics & VLSI Design C. Control System D. Modelling & Simulation	3	0	0	3	3
		Total of Theory				18	18
	RACTICAI						
8	HU781	Group Discussion	0	0	3	3	2
9	CS791	Artificial Intelligence Lab	0	0	3	3	2
10	CS793	Compiler Deisgn Lab	0	0	3	3	2
11	CS794	A. Pattern Recognition Lab B. Soft Computing Lab C. Distributed Operating System Lab D. Image Processing Lab	0	0	3	3	2
12	CS795	A. Advanced Computer Architecture Lab B. Data Warehousing and Data Mining Lab C. Sensor Networks Lab D. Internet Technology Lab	0	0	3	3	2
13	CS782	Industrial Training Evaluation					2
14	CS783	Project- 1				3	2
		Total of Practical	_			18	14
C. SI	ESSIONAL	,					
15	GS781	Skill Development for Professionals - VII	2	0	0	2	1
		Total of Sessional		•		2	1
		Total of Semester				38	32



Fourth Year - Eighth Semester

A.TH	EORY						
Sl	Subject	Theory	Conta	-	Credit		
No.	Code				Points		
			L	T	P	Total	
1	HU801	A. Organisational Behaviour	2	0	0	2	2
		B. Project Management					
2	CS801	Deep Learning	2	0	0	2	2
3	CS802	Big Data Analytics	3	0	0	3	3
4	CS803	A. Cloud Computing & IOT	3	0	0	3	3
		B. Parallel Computing					
		C. Natural Language Processing					
		D. Business Analytics					
5	CS804	A. Technology Management	3	0	0	3	3
		B. Optical Networking					
		C. Low Power Circuits & Systems					
		D. E-Commerce & Cyber Law					
		E. Robotics					
		Total of Theory				13	13
B. PF	RACTICAL						
6	CS891	Design Lab / Industrial problem related	0	0	6	6	4
		practical training (Workshop needed)					
7	CS892	Project-2	0	0	12	12	6
8	CS893	Grand Viva					3
	Total of Practical						
		Total of Semester				31	26