

Second Year - Third Semester

A.TE	IEORY						
Sl	-						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				21	21
B. PI	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. SI	ESSIONAL						
10	GS381	Skill Development for Professionals – III	2	0	0	2	1
	Total of Sessional						
		Total of Semester				31	28



Second Year - Fourth Semester

A.TH	EORY						
Sl	Subject	Theory	Cont	Contact Hours/Week			
No.	Code						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. PR	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	SSIONAL						
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

A.TH	IEORY						
Sl	Subject	Theory	Conta	ect Hour	s/Week		Credit
No.	Code			1			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. PF	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. SI	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

	EORY						1
SI	Subject	Theory	Con	tact Hou	rs/Wee	k	Credit
No.	Code						Points
			L	T	P	Total	
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		3	0	0	3	3
	CS604A	Human Resource Management					
	CS604B	Computer Graphics & Multimedia					
	CS604C	Information Theory & Coding					
7	F. E.		3	0	0	3	3
	CS605A	Data Science & Data Analytics					
	CS605B	Operation Research					
	CS605C	Distributed DBMS					
		Total of Theory				20	20
B. PR	RACTICAL	•			·		
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
	1	Total of Practical		<u> </u>		15	10
C. SE	SSIONAL					L	
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	6 th - 7 th Seme	ster hree	ık		



Fourth Year - Seventh Semester

A. T	HEORY						
Sl No.	Subject Code	Theory	Cont	act Hour	s/Week	(Credit Points
1,00	0040		L	Т	P	Total	1 011105
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	3	0	0	3	3
	00.01	B. Soft Computing	_				
		C. Distributed Operating System					
		D. Image Processing					
6	CS705	A. Advanced Computer Architecture	3	0	0	3	3
		B. Data Warehousing and Data Mining					
		C. Sensor Networks					
		D. Internet Technology					
7	CS706	A. Mobile Computing	3	0	0	3	3
		B. Microelectronics & VLSI Design					
		C. Control System					
		D. Modelling & Simulation					
		Total of Theory				18	18
B. PI	RACTICA	L					
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	0	0	3	3	2
		B. Soft Computing Lab					
		C. Distributed Operating System Lab					
		D. Image Processing Lab					
12	CS795	A. Advanced Computer Architecture Lab	0	0	3	3	2
		B. Data Warehousing and Data Mining Lab					
		C. Sensor Networks Lab					
		D. Internet Technology Lab					
13	CS782	Industrial Training Evaluation					2
14	CS783	Project- 1				3	2
	Total of Practical						
C. SI	ESSIONAI				-		
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.TE	IEORY							
Sl	Subject	Theory	Contact Hours/Week				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. PI	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				18	13	
		Total of Semester				31	26	