

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

		I YEAR I SEMESTER						
S.No	Category	Subjects	L	T	P	С	I	E
1	BS	Mathematics-I	3	0	0	3	30	70
2	BS	Applied Chemistry	3	0	0	3	30	70
3	H&S	Communicative English	3	0	0	3	30	70
4	ESC	Computational Thinking and Programming	3	0	0	3	30	70
5	ESC	Elements of Electrical and Electronics Engineering	3	0	0	3	30	70
6	BS Lab	Applied Chemistry Lab	0	0	3	1.5	15	35
7	ESC Lab	Computational Thinking and Programming Lab	0	0	3	1.5	15	35
8	H &S Lab	English Communication Skills Lab	0	0	3	1.5	15	35
		Total Credits	1		<u>I</u>	19.5	195	455
Total Marks							65	50

		I YEAR II SEMESTER						
S.No	Category	Subjects	L	T	P	С	I	E
1	BS	Mathematics –II	3	0	0	3	30	70
2	BS	Applied Physics	3	0	0	3	30	70
3	ESC	Digital Logic Design	3	0	0	3	30	70
4	ESC	Programming for Problem Solving	3	0	0	3	30	70
5	ESC	Computer Engineering Workshop	1	0	4	3	15	35
6	BS Lab	Applied Physics Lab	0	0	3	1.5	15	35
7	ESC Lab	Advanced Python Programming Lab	0	0	3	1.5	15	35
8	ESC Lab	Programming for Problem Solving Lab	0	0	3	1.5	15	35
		Constitution of India	2	0	0	0	0	0
		Total Credits	l			19.5	195	455
	Total Marks							



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		II YEAR I SEMESTER						
S.No	Category	Subjects	L	T	P	C	I	E
1	BS / PC	Discrete Mathematical Structures	3	0	0	3	30	70
2	PC	Data Structures	3	0	0	3	30	70
3	PC	Database Management Systems	3	0	0	3	30	70
4	ESC	Object Oriented Programming through Java	3	0	0	3	30	70
5	PC	Computer Organization	3	0	0	3	30	70
6	PC Lab	Data Structures Lab	0	0	3	1.5	15	35
7	PC Lab	Database Management Systems Lab	0	0	3	1.5	15	35
8	PC Lab	Object Oriented Programming through Java Lab	0	0	3	1.5	15	35
9	SO	Skill Oriented Course – I 1) Animations – 2D Animation 2) Web Application Development Using Full Stack – Module - I	0	0	4	2		50
10	MC	Environmental Science	2	0	0	0		
	Total Credits 21.5							505
	Total Marks							

		II YEAR II SEMESTER						
S.No	Category	Subjects	L	T	P	С	I	E
1	BS	Probability & Statistics	3	0	0	3	30	70
2	PC	Fundamentals of Machine Learning	3	0	0	3	30	70
3	PC	Operating Systems	3	0	0	3	30	70
4	PC	Software Engineering	3	0	0	3	30	70
5	HS	Universal Human Values	3	0	0	3	30	70
6	PC Lab	Operating Systems Lab	0	0	3	1.5	15	35
7	PC Lab	UML Lab	0	0	3	1.5	15	35
8	PC Lab	Fundamentals of Machine Learning Lab	0	0	3	1.5	15	35
9	SO	Skill Oriented Course – II 1) Animations – 3D Animation 2) Web Application Development Using Full Stack – Module - II	0	0	4	2		50
10	MC	Critical Reading & Creative Writing	2	0	0	0		
		Total Credits				21.5	195	505
Total Marks							70	00



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		III YEAR I SEMESTER						
S.No	Category	Subjects	L	T	P	С	I	E
1	PC	Design and Analysis of Algorithms	3	0	0	3	30	70
2	PC	Computer Networks	3	0	0	3	30	70
3	PC	Compiler Design	3	0	0	3	30	70
4	OE / JE	Web Technologies	3	0	0	3	30	70
5	PE-1	 Computer Graphics Software Testing Methodologies Multimedia and Application Development Network Programming 	3	0	0	3	30	70
6	PC Lab	Web Technologies Lab	0	0	3	1.5	15	35
7	PC Lab	Computer Networks & Compiler Design Lab	0	0	3	1.5	15	35
8	SAC/Soft Skill	Quantitative Aptitude & Logical Reasoning	0	0	4	2		50
9	MC	Employability Skills - I (Competitive Coding)	2	0	0	0		
10	Internship	1	0	0	0	1.5		
		Total Credits			ı	21.5	195	505
Total Marks								00

		III YEAR II SEMESTER						
S.No	Category	Subjects	L	T	P	С	I	E
1	PC	Data Warehousing and Data Mining	3	0	0	3	30	70
2	PC	Cryptography and Network Security	3	0	0	3	30	70
3	PC	Internet of Things	3	0	0	3	30	70
4	PE-2	 Human Computer Interaction Software Project Management Devops Distributed Systems 	3	0	0	3	30	70
5	OE / JE	N0SQL Database	3	0	0	3	30	70
6	PC Lab	Data Warehousing Data Mining Lab	0	0	3	1.5	15	35
7	PC Lab	Internet of Things Lab	0	0	3	1.5	15	35
8	PC Lab	NoSQL Database Lab	0	0	3	1.5	15	35
9	SAC/Soft Skill	Advanced English Communication Skills Lab	0	0	4	2		50
10	MC	Employability Skills - II	2	0	0	0		
		Total Credits	ı		ı	21.5	195	505
Total Marks							70	00



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

		IV YEAR I SEMESTER						
S.No	Category	Subjects	L	T	P	C	I	E
1	PE	AR & VR / Game Development/ Soft Computing/ Ecommerce	3	0	0	3	30	70
2	PE	UML & DP / Agile Methodologies / Software Architecture / AI & NN	3	0	0	3	30	70
3	PE	BDA / Recommended Systems/ SW & SN / IRS	3	0	0	3	30	70
4	OE / JE	Robotic Process Automation	3	0	0	3	30	70
5	OE	Open Electives offered by other departments	3	0	0	3	30	70
6	HS	HS Elective	3	0	0	3	30	70
8	Skill Advanced Course	Skill Advanced Course	0	0	4	2		50
9	PR	Internship	0	0	0	3		100
		Total Credits				23	180	570
Total Marks							75	50

		IV YEAR II SEMESTER						
S.No	Category	Subjects	L	T	P	С	I	E
1	Project	Major Project Work, Seminar, Internship	-	-	-	12		
	Total Credits							
		Total Marks						