

Course Code	Course Title	L	T	P	S	C	Internal Marks	External Marks	Total	Course Type	Category	MOD	MOA
20CSP-312	DESIGN AND ANALYSIS OF ALGORITHMS LAB	0	0	2	0	1	60	40	100	CR	Graded (GR)	Practical (PRAC)	Practical Examination (PRAC)
20CSP-314	COMPETITIVE CODING-I	0	0	2	0	1	60	40	100	CR	Graded (GR)	Practical (PRAC)	Practical Examination (PRAC)
20CSP-317	MACHINE LEARNING LAB	0	0	2	0	1	60	40	100	CR	Graded (GR)	Practical (PRAC)	Practical Examination (PRAC)
20CSP-321	PROJECT BASED LEARNING IN JAVA LAB	0	0	4	0	2	60	40	100	CR	Graded (GR)	Practical (PRAC)	Practical Examination (PRAC)
20CST-311	DESIGN AND ANALYSIS OF ALGORITHMS	3	0	0	0	3	40	60	100	CR	Graded (GR)	Theory (TH)	Theory Examination (ET)
20CST-313	OPERATING SYSTEMS	3	0	0	0	3	40	60	100	CR	Graded (GR)	Theory (TH)	Theory Examination (ET)
20CST-315	SYSTEM PROGRAMMING	3	0	0	0	3	40	60	100	CR	Graded (GR)	Theory (TH)	Theory Examination (ET)
20CST-316	MACHINE LEARNING	3	0	0	0	3	40	60	100	CR	Graded (GR)	Theory (TH)	Theory Examination (ET)
20CST-319	PROJECT BASED LEARNING IN JAVA	2	0	0	0	2	40	60	100	CR	Graded (GR)	Theory (TH)	Theory Examination (ET)
20CSY-310	FUNDAMENTAL OF IMAGE PROCESSING : NTPP	3	0	0	0	3	40	60	100	EC	Mandatory Non-Graded (MNG)	Theory (TH)	Theory Examination (ET)
20TDY-301	SOFT SKILLS	0	0	2	0	1	60	40	100	EC	Mandatory Non-Graded (MNG)	Practical (PRAC)	Practical Examination (PRAC)
20TDY-302	APTITUDE	0	2	0	0	2	40	60	100	EC	Mandatory Non-Graded (MNG)	Theory (TH)	Theory Examination (ET)
20CSR-318	PROJECT-II	0	0	1	10	3	60	40	100	PR	Graded (GR)	Training/Project/Internship (TR)	Practical Examination (PRAC)
20CSI-322	INSTITUTE/INDUSTRIAL SUMMER TRAINING	0	0	0	8	2	60	40	100	TR	Mandatory Non-Graded (MNG)	Training/Project/Internship (TR)	Practical Examination (PRAC)

DE-1	DEPARTMENT ELECTIVE-1	-	-	-	-	-	-	-	100	DE	-	-	-
DE-2	DEPARTMENT ELECTIVE-2	-	-	-	-	-	-	-	100	DE	-	-	-
DE-3	DEPARTMENT ELECTIVE-3	-	-	-	-	-	-	-	100	DE	-	-	-
DE-4	DEPARTMENT ELECTIVE-4	-	-	-	-	-	-	-	100	DE	-	-	-
Total Credit(s): 25													

Course Code	Course Title	L	T	P	S	C	Internal Marks	External Marks	Total	Course Type	Category	MOD	MOA
20CSP-336	STATISTICAL INFERENCE USING R LAB	0	0	2	0	1	60	40	100	DE	Graded (GR)	Practical (PRAC)	Practical Examination (PRAC)
20CSP-337	SOFT COMPUTING LAB	0	0	2	0	1	60	40	100	DE	Graded (GR)	Practical (PRAC)	Practical Examination (PRAC)
20CSP-338	WEB AND MOBILE SECURITY LAB	0	0	2	0	1	60	40	100	DE	Graded (GR)	Practical (PRAC)	Practical Examination (PRAC)
20CSP-339	MULTIMEDIA TECHNOLOGIES LAB	0	0	2	0	1	60	40	100	DE	Graded (GR)	Practical (PRAC)	Practical Examination (PRAC)
20CST-331	STATISTICAL INFERENCE USING R	2	0	0	0	2	40	60	100	DE	Graded (GR)	Theory (TH)	Theory Examination (ET)
20CST-332	SOFT COMPUTING	2	0	0	0	2	40	60	100	DE	Graded (GR)	Theory (TH)	Theory Examination (ET)
20CST-333	WEB AND MOBILE SECURITY	2	0	0	0	2	40	60	100	DE	Graded (GR)	Theory (TH)	Theory Examination (ET)
20CST-334	MULTIMEDIA TECHNOLOGIES	2	0	0	0	2	40	60	100	DE	Graded (GR)	Theory (TH)	Theory Examination (ET)