



S.Y.B.Tech (E&TC) Semester-III																			
		Course Code	Course Type	Name of the Subject	Teaching Scheme (Hrs./week)						Examination Scheme and Marks						Credit		
					TH	PR	TT	SL	TOT	CCE	ESE	TW	PR	OR	TOT	TH	PR	OR	TOT
1		R25-ET-PCC-201	Program Core course - 1	Electrical Circuits and Machines	3		-	45	90	40	60			100	3			3	
2		R25-ET-PCC-202	Program Core course - 2	Digital Circuits and Systems	3	-	-	45	90	40	60	-	-	100	3	-	-	3	
3		R25-ET-PCC-203	Program Core course - 3	Mathematics for Signals and Systems	3	-	-	45	90	40	60	-	-	100	3	-	-	3	
4		R25-ET-MDM-204	Multidisciplinary Course-1	Data Structure and Algorithms	3	-	-	45	90	40	60	-	-	100	3	-	-	3	
5		R25-ET-OEC-205	Open Elective-1	Business Analytics	2	-	-	30	60	40	60	-	-	100	2	-	-	2	
6		R25-ET-EEM-206	Entrepreneurship/Economics/Management course	Project Management and Finance	1	2	-	15	60	25	-	25	-	50	1	1	-	2	
7		R25-ET-VEC-207	Value Education Course	Universal Human Values and Ethics	2	-	-	30	60	50	-	-	-	50	2	-	-	2	
8		R25-ET-PCC-208	Program Core Course- Lab	Electrical and Digital Circuits Lab	-	2	-	-	30	-	-	25	25	50	-	1	-	1	
9		R25-ET-PCC-209	Program Core Course Lab / Multidisciplinary Course-Lab	Data Structure and Algorithms Lab	-	2	-	-	30	-	-	25	25	50	-	1	-	1	
10		R25-ET-CEP-210	Community Engagement Project /Field Project	Community Engagement Program	-	4	-	-	60	-	-	50	-	50	-	2	-	2	
					17	10	0	255	660	275	300	125	50	0	17	5	0	22	



S.Y.B.Tech (E&TC)																
Semester-IV																
Course Code	Course Type	Name of the Subject	Teaching Scheme (Hrs./week)				Total	Examination Scheme and Marks						Credit		
			TH	PR	TUT	SL		CCE	ESE	TW	PR	OR	TOTAL			
R25-ET-PCC-211	Program Core course - 4	Electronic circuits	3	-	-	45	90	40	60	-	-	100	3	-	-	3
R25-ET-PCC-212	Program Core course - 5	Control Systems	2	-	-	30	60	40	60	-	-	100	2	-	-	2
R25-ET-PCC-213	Program Core course - 6	Principles of Communication Systems	3	-	-	45	90	40	60	-	-	100	3	-	-	3
R25-ET-MDM-214	Multidisciplinary Course-2	Object Oriented Programming with JAVA	2	-	-	30	60	40	60	-	-	100	2	-	-	2
R25-ET-OEC-215	Open Elective-II	Remote Sensing and GIS	2	-	-	30	60	40	60	-	-	100	2	-	-	2
R25-ET-VSC-216	Vocational Skill Course	Project Based Learning	1	2	-	15	60	25	-	-	25	50	1	1	-	2
R25-ET-AEC-217	Ability Enhancement Course	Modern Indian Languages (Marathi/Hindi) and Technical Writing	1	2	-	15	60	-	-	50	-	50	1	1	-	2
R25-ET-EEM-218	Entrepreneurship/Economics/ Management course	Entrepreneurship and IPR	2	-	-	-	30	50	-	-	-	50	2	-	-	2
R25-ET-PCC-219	Program Core Course- Lab	Electronics and Communication Lab	-	2	-	-	30	-	-	-	25	25	-	1	-	1

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R25-ET-PCC-220	Program Core Course Lab / Multidisciplinary Course-Lab	Control Systems and Object Oriented Programming with JAVA Lab	-	2	-	-	60	-	-	-	25	-	1	-	1		
R25-ET-VEC-221	Value Education Course	Life Skills, Leadership and Professional Communication	2	-	-	30	60	50	-	-	50	2	-	-	2		
			18	08	0	255	660	350	300	25	75	0	750	18	04	0	22

Exit option: Award of UG Diploma in Major with 88 credits and an additional 8 credits from following Exit Courses									
Course Code	Course Title	L	T	P	Credits	Contact Hrs	TW	OR	Total Marks
R25-CO-EXC-101A	Electronics Testing, Measurements and Troubleshooting	–	–	–	4	–	100		100
R25-CO-EXC-101B	Project	–	–	16	4	16	50	50	100
Total									200