



Sr. No.	Course Code	Course Type	Name of the Subject	Teaching Scheme (Hrs./week)						Examination Scheme and Marks						Credit			
				TH	PR	TUT	Contact Hours	Self Learnin	Total	CCE	ESE	TW	PR	OR	TOTAL	TH	PR	TUT	TOTAL

Semester-III

1	R25-EE-PCC-201	Program Core course - 1	Measuring Instruments & Smart Sensors	3	-	-	45	45	90	40	60	-	-	-	100	3	-	-	3
2	R25-EE-PCC-202	Program Core course - 2	Analog and Digital Electronics	3	-	-	45	45	90	40	60	-	-	-	100	3	-	-	3
3	R25-EE-PCC-203	Program Core Course -3	Transmission & Distribution System	3	-	-	45	45	90	40	60	-	-	-	100	3	-	-	3
4	R25-EE-MDM-204	Multidisciplinary Course-1	Mathematics and Statistics for Artificial Intelligence	3	-	-	45	45	90	40	60	-	-	-	100	3	-	-	3
5	R25-EE-OE-205	Open Elective - 1	Open Elective - I	2	-	-	30	30	60	40	60	-	-	-	100	2	-	-	2
6	R25-EE-HSSM-206	Entrepreneurship/ Economics/ Management course	Engineering Economics	1	2	-	15	15	60	25	-	25	-	-	50	1	1	-	2
7	R25-EE-VEC-207	Value Education Course	Universal Human Values & Ethics	2	-	-	30	30	60	50	-	-	-	-	50	2	-	-	2
8	R25-EE-PCC-208	Program Core Course- Lab	Measuring Instruments & Smart Sensors Lab	-	2	-		-	30	-	-	25	25	-	50	-	1	-	1
9	R25-EE-PCC-209	Program Core Course Lab	Analog and Digital Electronics Lab	-	2	-		-	30	-	-	25	25	-	50	-	1	-	1



10	R25-EE - CEP-210	Community Engagement Project / Field Project	Energy Literacy & Electrical safety education	-	4	-		-	60	-	-	50	-	-	50	-	2	-	2
				17	10	0	255	255	660	275	300	125	50	0	750	17	5	0	22

Note: Open Elective basket and MDM Courses offered at college level, are enlisted after Sem-VIII.

Semester-IV																			
Sr. No.	Course Code	Course Type	Name of the Subject	Teaching Scheme (Hrs./week)						Examination Scheme and Marks						Credit			
				TH	PR	TUT	Contact Hours	Self Learning	Total	CCE	ESE	TW	PR	OR	TOTAL	TH	PR	TUT	TOTAL
1	R25-EE-PCC-211	Program Core course - 4	AC & DC Machines	3	-	-	45	45	90	40	60	-	-	-	100	3	-	-	3
2	R25-EE-PCC-212	Program Core course - 5	Network Analysis	2	-	-	30	30	60	40	60	-	-	-	100	2	-	-	2
3	R25-EE-PCC-213	Program Core course - 6	Numerical Methods and Computer Programming	3	-	-	45	45	90	40	60	-	-	-	100	3	-	-	3
4	R25-EE-OE-214	Open Elective - 2	Open Elective - II	2	-	-	30	30	60	40	60	-	-	-	100	2	-	-	2
5	R25-EE-MDM-215	Multidisciplinary Course - 2	Principles of Data Science & Machine Learning	2	-	-	30	30	60	40	60	-	-	-	100	2	-	-	2
6	R25-EE-VSEC-216	Vocational Skill Course	Electrical Workshop & Engineering Materials	1	2	-	15	15	60	-	-	25	-	25	50	1	1	-	2



7	R25-EE-AEC-217	Ability Enhancement Course	Modern Indian Language and Technical Writing	1	2	-	15	15	60	-	-	50	-	-	50	1	1	-	2
8	R25-EE-HSSM-218	Entrepreneurship/ Economics/ Management course	Industrial Organization and Management	2	-	-	30	30	60	50	-	-	-	-	50	2	-	-	2
9	R25-EE-PCC-219	Program Core Course- Lab	AC & DC Machines Lab	-	2	-	30	-	30	-	-	-	25	-	25	-	1	-	1
10	R25-EE-PCC-220	Program Core Course Lab	Numerical Methods and Computer Programming Lab	-	2	-	30	-	30	-	-	-	25	-	25	-	1	-	1
11	R25-EE-VEC-221	Value Education Course	Environmental Awareness for Electrical Engineers	2	-	-	30	30	60	50	-	-	-	-	50	2	-	-	2
				18	8	0	330	270	660	300	300	75	50	25	750	18	4	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-EE-EXC-101A	Electrical Installation and Practices	-	-	-	4	-	100		100
R25-EE-EXC-101B	Project	-	-	16	4	16	50	50	100