



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

Semester-III

1	R25-ME-PCC-201	Program Core course - 1	Solid Mechanics	3	-	-	45	45	90	40	60	-	-	-	100	3	-	-	3
2	R25-ME-PCC-202	Program Core course - 2	Engineering Thermodynamics	3	-	-	45	45	90	40	60	-	-	-	100	3	-	-	3
3	R25-ME-PCC-203	Program Core course - 3	Engineering Materials & Metallurgy	3	-	-	45	45	90	40	60	-	-	-	100	3	-	-	3
4	R25-ME-MDM-204	Multidisciplinary Course-1	Computational and Statistical Methods	3	-	-	45	45	90	40	60	-	-	-	100	3	-	-	3
5	R25-ME-OEC-205	Open Elective - 1	To be chosen from a basket of Open Elective- I finalized at college level	2	-	-	30	30	60	40	60	-	-	-	100	2	-	-	2
6	R25-ME-HSSM-206	Entrepreneurship/Economics/ Management course	Entrepreneurial Thinking and Innovation	1	2	-	15	15	60	25	-	25	-	-	50	1	1	-	2
7	R25-ME-VEC-207	Value Education Course	Professional Ethics and Human Values	2	-	-	30	30	60	50	-	-	-	-	50	2	-	-	2
8	R25-ME-PCC-208	Program Core Course-Lab	Material Testing and Characterization Lab	-	2	-	-	-	30	-	-	25	25	-	50	-	1	-	1
9	R25-ME-PCC-209	Program Core Course Lab / Multidisciplinary Course-Lab	GD&T and Geometric Modelling Lab	-	2	-	-	-	30	-	-	25	25	-	50	-	1	-	1
10	R25-ME-CEP-210	Community Engagement Project / Field Project	Community Engagement Project	-	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-ME-PCC-211	Program Core course - 4	Fluid Mechanics	3	-	-	45	45	90	40	60	-	-	-	100	3	-	-	3
2	R25-ME-PCC-212	Program Core course - 5	Manufacturing Processes-I	2	-	-	30	30	60	40	60	-	-	-	100	2	-	-	2
3	R25-ME-PCC-213	Program Core course - 6	Applied Thermodynamics	3	-	-	45	45	90	40	60	-	-	-	100	3	-	-	3
4	R25-ME-MDM-214	Multidisciplinary Course - 2	Mechatronics	2	-	-	30	30	60	40	60	-	-	-	100	2	-	-	2
5	R25-ME-OEC-215	Open Elective - 2	To be chosen from a basket of Open Elective- II finalized at college level	2	-	-	30	30	60	40	60	-	-	-	100	2	-	-	2
6	R25-ME-VSC-216	Vocational Skill Course	Workshop Practice	1	2	-	15	15	60	25	-	-	25	-	50	1	1	-	2
7	R25-ME-AEC-217	Ability Enhancement Course	Modern Indian Language and Technical Writing	1	2	-	15	15	60	25	-	25	-	-	50	1	1	-	2
8	R25-ME-EEM-218	Entrepreneurship/Economics/ Management course	Entrepreneurship and Financial Management	2	-	-	30	30	60	50	-	-	-	-	50	2	-	-	2



9	R25-ME-PCC-219	Program Core Course-Lab	Mechatronics and IOT Lab	-	2	-	30	-	30	-	-	-	25	-	25	-	1	-	1
10	R25-ME-PCC-220	Program Core Course Lab	Thermo-Fluid Lab	-	2	-	30	-	30	-	-	-	25	-	25	-	1	-	1
11	R25-ME-VEC-221	Value Education Course	Green Technologies and Sustainable Development	2	-	-	30	30	60	50	-	-	-	-	50	2	-	-	2
				18	8	0	330	270	660	350	300	25	75	0	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-ME-EXC-101A	CNC and 3D Printing	–	–	–	4	–	100		100
R25-ME-EXC-101B	Project	–	–	16	4	16	50	50	100
Total									200