

B.Tech. ME- 3rd Sem

Category	Course Code	Course Title	Subject Type	Hours per week			Maximum Marks			Credits
				L	T	P	Int	Ext	Total	
Professional Core Course	25C1MEU-301	Solid Mechanics	T	3	1	0	40	60	100	4
Professional Core Course	25C1MEU-302	Kinematics and Dynamics of Machines	T	3	1	0	40	60	100	4
Professional Core Course	25C1MEU-303	Basic Thermodynamics	T	3	1	0	40	60	100	4
Professional Core Course	25C1MEU-304	Machine Drawing	T	1	0	2	40	60	100	2
Professional Elective	25C1MEU-CE1-XX	Core Elective- I (Swayam / NPTEL/ MOOCs/Any other Platform/Department Elective Pool)	T	3	0	0	40	60	100	3
NCC	25C1NCU-301	Constitution of India	T	2	0	0	0	0	0	Satisfactory/Unsatisfactory
Professional Core Course	25C1MEU-311	Solid Mechanics Lab	P	0	0	2	30	20	50	1
Professional Core Course	25C1MEU-312	Kinematics and Dynamics of Machines Lab	P	0	0	2	30	20	50	1
Professional Core Course	25C1MEU-313	Computer Aided Drafting Lab	P	0	0	2	30	20	50	1
Skill Enhancement	25C1SEU-311	Future Skills Lab-I	P	0	0	2	30	20	50	1
Skill Enhancement	25C1SEU-301	Career Planning and Placement - I	P	0	0	2	50	0	50	1
Training	25C1MEU-314	Summer Internship - I	P	0	0	0	60	40	100	2
Total				15	3	12	430	420	850	24

B.Tech. ME 4th Sem

Category	Course Code	Course Title	Subject Type	Hours per week			Maximum Marks			Credits
				L	T	P	Int	Ext	Total	
Professional Core Course	25C1MEU- 401	Fluid Mechanics	T	3	1	0	40	60	100	4
Professional Core Course	25C1MEU- 402	Applied Thermodynamics	T	3	1	0	40	60	100	4
Professional Core Course	25C1MEU- 403	Materials Engineering	T	3	0	0	40	60	100	3
Professional Core Course	25C1MEU- 404	Modern Manufacturing Processes	T	3	0	0	40	60	100	3
Open Elective	25C1XXU- XXX	Open Elective-I (Swayam / NPTEL/ MOOCs/Any other Platform/Department Elective Pool)	T	3	0	0	40	60	100	3
Humanities & Social Sciences	25C1HSU-401	Universal Human Values	T	3	0	0	40	60	100	3
Professional Core Course	25C1MEU- 411	Applied Thermodynamics Lab	P	0	0	2	30	20	50	1
Professional Core Course	25C1MEU- 412	Fluid Mechanics Lab	P	0	0	2	30	20	50	1
Professional Core Course	25C1MEU- 413	Material Engineering Lab	P	0	0	2	30	20	50	1
Skill Enhancement	25C1SEU- 411	Future Skills Lab-II	P	0	0	2	30	20	50	1
Professional Core Course	25C1MEU- 414	Modern Manufacturing Processes Lab	P	0	0	2	30	20	50	1
Skill Enhancement	25C1SEU-401	Career Planning and Placement - II	P	0	0	2	50	0	50	1
Total				18	2	12	440	460	900	26

B.Tech. ME- 5th Sem										
Category	Course Code	Course Title	Subject Type	Hours per week			Maximum Marks			Credits
				L	T	P	Int	Ext	Total	
Professional Core Course	25C1MEU-501	Heat Transfer	T	3	1	0	40	60	100	4
Professional Core Course	25C1MEU-502	Design of Machine Elements	T	3	1	0	40	60	100	4
Professional Core Course	25C1MEU-503	Fluid Machines	T	3	1	0	40	60	100	4
Professional Core Course	25C1MEU-504	Mechatronics	T	3	0	0	40	60	100	3
Open Elective	25C1XXU-XXX	Open Elective – II (Swayam / NPTEL/ MOOCs/Any other Platform/Department Elective Pool)	T	3	0	0	40	60	100	3
Professional Core Course	25C1MEU-511	Heat Transfer Lab	P	0	0	2	30	20	50	1
Professional Core Course	25C1MEU-512	Fluid Machines Lab	P	0	0	2	30	20	50	1
Skill Enhancement	25C1SEU-501	Career Planning and Placement - III	P	0	0	2	50	0	50	1
Training	25C1MEU-513	Summer Internship – II	P				60	40	100	3
Total				15	3	6	370	380	750	24

B.Tech. ME- 6th Sem

Category	Course Code	Course Title	Subject Type	Hours per week			Maximum Marks			Credits
				L	T	P	Int	Ext	Total	
Professional Core Course	25C1MEU - 601	Refrigeration and Air conditioning	T	3	1	0	40	60	100	4
Professional Core Course	25C1MEU - 602	Measurements and Quality Control	T	3	0	0	40	60	100	3
Professional Core Course	25C1MEU - 603	Automobile Engineering	T	3	0	0	40	60	100	3
Professional Elective	25C1MEU -PE1-XX	Professional Elective-I	T	3	0	0	40	60	100	3
Professional Elective	25C1MEU -PE2-XX	Professional Elective-II	T	3	0	0	40	60	100	3
Professional Elective	25C1MEU -CE2-XX	Core Elective- II (Swayam/NPTEL/ MOOCs/Any other Platform/Department Elective Pool)	T	3	0	0	40	60	100	3
Professional Core Course	25C1MEU - 611	Refrigeration and Air conditioning Lab	P	0	0	2	30	20	50	1
Professional Core Course	25C1MEU - 612	Measurements and Quality Control Lab	P	0	0	2	30	20	50	1
Professional Core Course	25C1MEU - 613	Automobile Engineering Lab	P	0	0	2	30	20	50	1
Project	25C1MEU - 614	Project	P	0	0	2	60	40	100	3
Skill Enhancement	25C1SEU-601	Career Planning and Placement - IV	P	0	0	2	50	0	50	1
Total				18	1	10	440	460	900	26

B.Tech. ME 7th Sem Scheme-I

Category	Course Code	Course Title	Subject Type	Hours per week			Maximum Marks			Credits
				L	T	P	Int	Ext	Total	
Professional Elective	25C1MEU-PE3-XX	Professional Elective-III	T	3	0	0	40	60	100	3
Professional Elective	25C1MEU-PE4-XX	Professional Elective-IV	T	3	0	0	40	60	100	3
Open Elective	25C1XXU-XXX	Open Elective-III (Swayam / NPTEL/ MOOCs/Any other Platform/Department Elective Pool)	T	3	0	0	40	60	100	3
Professional Elective	25C1MEU-CE3-XX	Core Elective-III (Swayam / NPTEL/ MOOCs/Any other Platform/Department Elective Pool)	T	3	0	0	40	60	100	3
NCC	25C1NCU-701	Essence of Indian Traditional Knowledge	T	2	0	0	0	0	0	Satisfactory/Unsatisfactory
Training	25C1MEU-711	Summer Internship – III	P				60	40	100	3
Project	25C1MEU-712	Capstone Project	P	0	0	4	120	80	200	6
Total				14	0	4	340	360	700	21

Scheme-II

Category	Course Code	Course Title	Subject Type	Hours per week			Maximum Marks			Credits
				L	T	P	Int	Ext	Total	
Professional Elective	25C1MEU-PE3-XX	Professional Elective-III	T	0	0	0	40	60	100	3
Professional Elective	25C1MEU-PE4-XX	Professional Elective-IV	T	0	0	0	40	60	100	3
NCC	25C1NCU-701	Essence of Indian Traditional Knowledge	T	2	0	0	0	0	0	Satisfactory/Unsatisfactory
Training	25C1MEU-711	Summer Internship – III	P				60	40	100	3
Training	25C1MEU-713	Industrial Internship	P				240	160	400	12
Total				2	0	0	380	320	700	21

B.Tech. ME- 8th Sem Scheme-I

Category	Course Code	Course Title	Subject Type	Hours per week			Maximum Marks			Credits
				L	T	P	Int.	Ext.	Total	
Professional Elective	25C1MEU-PE5-XX	Professional Elective-V	T	3	0	0	40	60	100	3
Professional Elective	25C1MEU-PE6-XX	Professional Elective-VI	T	3	0	0	40	60	100	3
Professional Elective	25C1MEU-CE4-XX	Core Elective-IV (Swayam/ NPTEL/ MOOCs/ Any other Platform/Department Elective Pool)	T	3	0	0	0	100	100	3
Project	25C1MEU-811	Capstone Project	P	0	0	4	120	80	200	6
Total				9	0	4	240	260	500	15

Scheme-II

Category	Course Code	Course Title	Subject Type	Hours per week			Maximum Marks			Credits
				L	T	P	Int.	Ext.	Total	
Training	25C1MEU- 812	Industrial Internship	P	0	0	0	300	200	500	15
Total				0	0	0	300	200	500	15