

Integrated Dual Degree B. Tech. + M. Tech. / MBA - I Semester				
S. No.	Subject Code	Name of Subject	L-T-P	Credits
	Theory Subjects			
1	PH 102 / CY 101	Engineering Physics / Engineering Chemistry	3-1-0	4
2	MA 101	Mathematics –I	3-1-0	4
3	CE 101	Engineering Mechanics	2-1-0	3
4	CS 101	Computer Programming –I	2-0-0	2
5	EE 102	Electrical Technology	2-0-0	2
6	HU 101	English Proficiency	2-0-0	2
7	SS 101	Human Values & Buddhist Ethics	2-0-0	2
	Practical Labs			
8	PH 104 / CY 103	Engineering Physics Lab / Engineering Chemistry Lab	0-0-2	1
9	ME 102 / ME 103	Engineering Workshop / Engineering Graphics	0-0-3	2
10	CS 181	Computer Programming Lab -I	0-0-3	2
11	EE 104	Electrical Technology Lab	0-0-2	1
12	GP 101	General Proficiency		1
		Total Credits		26
		Total Contact Hours	16-3-10	

Integrated Dual Degree B. Tech. + M. Tech. / MBA -II Semester				
S. No.	Subject Code	Name of Subject	L-T-P	Credits
	Theory Subjects			
1	CY 101 / PH 102	Engineering Chemistry / Engineering Physics	3-1-0	4
2	MA 101	Mathematics –II	3-1-0	4
3	CE 102	Concept of Built Environment	2-1-0	3
4	CS 102	Computer Programming –II	2-0-0	2
5	EC 101	Basic Electronics	2-0-0	2
6	HU 102	Professional Communication	2-0-0	2
7	SS 102	History of Science & Technology	2-0-0	2
	Practical Labs			
8	CY 101 / PH 102	Engineering Chemistry Lab / Engineering Physics Lab	0-0-2	1
	ME 103 / ME 102	Engineering Graphics / Engineering Workshop	0-0-3	2
9	CE 104	Built Environment Lab	0-0-3	2
10	EC 181	Basic Electronics Lab	0-0-2	1
11	GP 102	General Proficiency		1
		Total credits		26
		Total Contact Hours	16-3-10	

Integrated Dual Degree B. Tech. + M. Tech. / MBA - III Semester				
S. No.	Subject Code	Name of Subject	L-T-P	Credits
	Theory Subjects			
1	MA 201	Quantitative Techniques	3-1-0	4
2	ME 201	Material Science	2-0-0	2
3	ME 203	Manufacturing Technology -I	3-0-0	3
4	ME 205	Kinematics of Machines	2-1-0	3
5	ME 207	Engineering Thermodynamics	2-1-0	3
6	ME 209	Mechanics of Materials- I	3-1-0	4
	Practical Labs			
7	ME 211	Manufacturing Technology Lab -I	0-0-3	2
8	ME 213	Mechanics of Materials Lab - I	0-0-2	1
9	ME 215	Machine Drawing	1-0-3	3
10	GP 201	General Proficiency		1
		Total Credits		26
		Total Contact Hours	16-4-8	

Integrated Dual Degree B. Tech. + M. Tech. / MBA - IV Semester				
S. No.	Subject Code	Name of Subject	L-T-P	Credits
	Theory Subjects			
1	MA 202	Numerical methods of Analysis	3-1-0	4
2	ME 202	Manufacturing Technology -II	3-0-0	3
3	ME 204	Dynamics of Machines	3-1-0	4
4	ME 206	Applied Thermodynamics	2-1-0	3
5	ME 208	Fluid Mechanics	3-1-0	4
6	ME 210	Engineering Measurements & Instrumentation	2-0-0	2
	Practical Labs			
7	ME 212	Fluid Mechanics Lab	0-0-3	2
8	ME 214	Dynamics of Machines Lab	0-0-3	2
9	ME 216	Engineering Measurements & Instrumentation Lab	0-0-2	1
10	GP 202	General Proficiency		1
		Total Credits		26
		Total Contact Hours	16-4-8	

Integrated Dual Degree B. Tech. + M. Tech. / MBA - V Semester				
S. No.	Subject Code	Name of Subject	L-T-P	Credits
	Theory Subjects			
1	ME 301	Heat and Mass Transfer	3-1-0	4
2	ME 303	Machine Design –I	3-1-0	4
3	ME 305	Mechanics of Materials – II	2-1-0	3
4	ME 307	Fluid Machines	3-1-0	4
5	ME 309	IC Engines and Gas Turbines	3-1-0	4
	Practical Labs			
6	ME 311	Heat and Mass Transfer Lab	0-0-3	2
7	ME 313	Fluid Machines Lab	0-0-3	2
8	ME 315	Applied Thermodynamics Lab	0-0-3	2
9	GP 301	General Proficiency		1
		Total Credits		26
		Total Contact Hours	14-5-9	

Integrated Dual Degree B. Tech. + M. Tech. / MBA - VI Semester				
S. No.	Subject Code	Name of Subject	L-T-P	Credits
	Theory Subjects			
1	ME 302	Mechanical Vibrations	3-1-0	4
2	ME 304	Machine Design –II	2-2-0	4
3	ME 306	Refrigeration and Air Conditioning	3-1-0	4
4	ME 308	Automobile Engineering	3-0-0	3
5	ME 310	Industrial Engineering	3-1-0	4
	Practical Labs			
6	ME 312	Mechanical Vibrations Lab	0-0-3	2
7	ME 314	Refrigeration and Air Conditioning Lab	0-0-3	2
8	ME 316	Automobile Engineering Lab	0-0-3	2
9	GP 302	General Proficiency		1
		Total Credits		26
		Total Contact Hours	14-5-9	

Integrated Dual Degree B. Tech. + M. Tech. / MBA - VII Semester				
S. No.	Subject Code	Name of Subject	L-T-P	Credits
	Theory Subjects			
1	ME 401	Power Plant Engineering	3-1-0	4
2	ME 403	Computer Aided Design	3-1-0	4
3	MEE 505 / MEE 508	Operation Research / Modeling and Simulation	3-1-0	4
4		Elective –I	3-0-0	3
5		Elective –II	3-0-0	3
	Practical Labs			
6		Lab	0-0-3	2
7	ME 413	Computer Aided Design Lab	0-0-3	2
8	ME 415 / MEI 515	Seminar	0-0-3	2
9	GP 401 / GP 501	General Proficiency		1
		Total Credits		25
		Total Contact Hours	15-3-9	

Integrated Dual Degree B. Tech. + M. Tech. / MBA - VIII Semester				
S. No.	Subject Code	Name of Subject	L-T-P	Credits
	Theory Subjects			
		Scheme of courses of II Semester of 2 years M. Tech. Degree program as per relevant specialization.		
Industrial Training				

Integrated Dual Degree B. Tech. + M. Tech. / MBA - IX Semester				
S. No.	Subject Code	Name of Subject	L-T-P	Credits
	Theory Subjects			
		Scheme of courses of III Semester of 2 years M. Tech. Degree program as per relevant specialization.		
	Practical Labs			
		Total Credits		
		Total Contact Hours		

Integrated Dual Degree B. Tech. + M. Tech. / MBA - X Semester				
S. No.	Subject Code	Name of Subject	L-T-P	Credits
	Theory Subjects			
	Practical Labs			
1		Dissertation	0-0-20*	21
2	GP 602	General Proficiency		1
		Total Credits		22
		Total Contact Hours		