

Scheme for B.Tech.- Mechanical (Effective from 15-16 with Proposed Credits)

THEORY & PRACTICAL

Sem	Codes	Proposed Scheme- ME -UTD	Internal	External	Max Marks	Contact hours/week				Credits
						L	T	P	Total	
III	3MEU1	Mechanics of Solids	50	100	150	3	0	0	3	3
	3MEU2	Material Science and Engineering	50	100	150	3	0	0	3	3
	3MEU3	Engineering Thermodynamics	50	100	150	3	1	0	4	3
	3MEU4	Manufacturing Processes	50	100	150	3	0	0	3	3
	3MEU5	Fluid Mechanics & Machines	50	100	150	3	0	0	3	3
	3MEU6	Advanced Engineering Mathematics - 1	50	100	150	3	1	0	4	3
	3MEU7	Production Practice- I	50	25	75	0	0	3	3	2
	3MEU8	Mechanical Engg Drawing & CAD Lab	50	25	75	0	0	3	3	2
	3MEU9	Material Science and Testing Lab	35	15	50	0	0	2	2	1
	3MEU10	Fluid Mechanics Lab	35	15	50	0	0	2	2	1
	3MEU11	Professional Skill Workshop	35	15	50	0	0	2	2	1
	3MEUDC	Discipline & Extra Curricular activity			50	0	0	0	0	1
		Sub- Total			1250	18	2	12	32	26
IV										
Sem	Codes	Proposed Scheme- ME -UTD	Internal	External	Max Marks	Contact hours/week				Credits
						L	T	P	Total	
	4MEU1	Kinematics of Machines	50	100	150	3	1	0	4	3
	4MEU2	I.C. Engines	50	100	150	3	0	0	3	3
	4MEU3	Machining & Machine Tools	50	100	150	3	0	0	3	3
	4MEU4	Design of Machine Elements- I	50	100	150	3	0	0	3	3
	4MEU5	Industrial Engineering	50	100	150	3	0	0	3	3
	4MEU6	Advanced Engineering Mathematics - 2	50	100	150	3	1	0	4	3
									0	
	4MEU7	Production Practice- II	50	25	75	0	0	3	3	2
	4MEU8	Machine Design Sessional-I	50	25	75	0	0	3	3	2
	4MEU9	Thermal Engineering Lab -I	35	15	50	0	0	2	2	1
	4MEU10	Basic Mechanical Engineering Lab	35	15	50	0	0	2	2	1
	4MEU11	Business Communication Lab	35	15	50	0	0	2	2	1
	4MEUDC	Discipline & Extra Curricular activity			50	0	0	0	0	1
		Sub- Total			1250	18	2	12	32	26

Sem	Codes	Proposed Scheme- ME -UTD	Internal	External	Max Marks	Contact hours/week				Credits
						L	T	P	Total	
V	5MEU1	Heat Transfer	50	100	150	3	1	0	4	3
	5MEU2	Dynamics of Machines	50	100	150	3	1	0	4	3
	5MEU3	Quality Assurance and Reliability	50	100	150	3	0	0	3	3
	5MEU4	Design of Machine Element-II	50	100	150	3	0	0	3	3
	5MEU5	Operations Research	50	100	150	3	0	0	3	3
	5MEU6.1	Automobile Engineering	50	100	150	3	0	0	3	3
	5MEU6.2	CNC Machines & Programming								
	5MEU6.3	Management Information system (MIS)								
	5MEU6.4	Introduction to Aeronautics								
	5MEU7	Heat Transfer Lab	50	25	75	0	0	3	3	2
	5MEU8	Machine Design Sessional-II	50	25	75	0	0	3	3	2
	5MEU9	Theory of Machines Lab	35	15	50	0	0	2	2	1
	5MEU10	Industrial Engineering Lab-I	35	15	50	0	0	2	2	1
	5MEU11	Professional ethics & disaster management	35	15	50	0	0	2	2	1
5MEUDC	Discipline & Extra Curricular activity			50	0	0	0	0	1	
		Sub- Total			1250	18	2	12	32	26
Sem	Codes	Proposed Scheme- ME -UTD	Internal	External	Max Marks	Contact hours/week				Credits
VI	6MEU1	Refrigeration and Air-conditioning	50	100	150	3	1	0	4	3
	6MEU2	Measurement and Metrology	50	100	150	3	0	0	3	3
	6MEU3	Turbo Machines	50	100	150	3	0	0	3	3
	6MEU4	Vibration Engineering	50	100	150	3	1	0	4	3
	6MEU5	Mechatronics and MEMS	50	100	150	3	0	0	3	3
	6MEU6.1	Renewable Energy Systems	50	100	150	3	0	0	3	3
	6MEU6.2	Computer Aided Design and Graphics								
	6MEU6.3	Engineering Optimization								
	6MEU6.4	Experimental Fluid Mechanics								
	6MEU7	Production Engineering Lab	50	25	75	0	0	3	3	2
	6MEU8	Thermal Engineering Lab-II	50	25	75	0	0	3	3	2
	6MEU9	Vibrations and Maintenance Engineering Lab	35	15	50	0	0	2	2	1
	6MEU10	Mechatronics and MEMS Lab	35	15	50	0	0	2	2	1
	6MEU11	Capacity Building Lab	35	15	50	0	0	2	2	1
6MEUDC	Discipline & Extra Curricular activity			50	0	0	0	0	1	
		Sub- Total			1250	18		12	32	26

Sem	Codes	Proposed Scheme- ME -UTD	Internal	External	Max Marks	Contact hours/week				Credits
						L	T	P	Total	
VII	7MEU1	Finite Element Methods	50	100	150	3	1	0	4	3
	7MEU2	Computer Integrated Manufacturing Systems	50	100	150	3	0	0	3	3
	7MEU3	Steam Engineering and Power Generation	50	100	150	3	1	0	4	3
	7MEU4	Supply & Operations Management	50	100	150	3	0	0	3	3
	7MEU5	Modelling & Simulation	50	100	150	3	0	0	3	3
	7MEU6.1	Computational Fluid Dynamics	50	100	150	3	0	0	3	3
	7MEU6.2	Fuel cells and Hybrid Engine Technologies								
	7MEU6.3	Project Management								
	7MEU6.4	Non Conventional Machining Methods								
	7MEU7	FEM Lab	50	25	75	0	0	3	3	2
	7MEU8	MATLAB and Engg. Applications Lab	50	25	75	0	0	3	3	2
	7MEU9	CAM & Industrial Engineering Lab	35	15	50	0	0	2	2	1
	7MEU10	Project stage -1	35	15	50	0	0	2	2	1
	7MEU11	Practical training & industrial visit	35	15	50	0	0	2	2	1
	7MEUDC	Discipline & Extra Curricular activity			50	0	0	0	0	1
	Sub- Total				1250	18	2	12	32	26
Sem	Codes	Proposed Scheme- ME -UTD	Internal	External	Max Marks	Contact hours/week				Credits
						L	T	P	Total	
		Option-A								
VIII	8MEUA1	New Enterprise and Innovation Management	50	100	150	3	1	0	4	3
	8MEUA2	Product Development and Launching	50	100	150	3	0	0	3	3
	8MEUA3	Cost Accounting for Management	50	100	150	3	0	0	3	3
	8MEUA4	Enterpreneurship lab	50	25	75	0	0	3	3	2
	8MEUA5	Advance software Lab	50	25	75	0	0	3	3	2
	8MEUA6	Project Stage-2	250	125	375	0	0	12	12	8
	8MEUA7	Seminar	150	75	225	0	0	4	4	4
	8MEUDC	Discipline & Extra Curricular activity			50	0	0	0	0	1
	Sub- Total				1250	9	1	22	32	26

