

THIRD YEAR MECHANICAL ENGINEERING COURSE**SCHEME OF INSTRUCTION AND EXAMINATION REVISED COURSE 2019****SEMESTER -V**

Course Code	Nomenclature of the Course	Scheme of Instruction Hrs/Week			Scheme of Examination						
		L	T	P	Duration (Hrs)	Marks					Credits
						Th	IA	TW	P/O	Total	
ME 510	Manufacturing Technology-I	4	--	--	3	100	25	--	--	125	4
ME 520	Dynamics of Machinery	4	--	--	3	100	25	--	--	125	4
ME531	Advanced Thermodynamics	3	--	--	3	100	25	--	--	125	3
ME532	Mechanical Vibrations										
ME533	Mechatronics										
ME534	Management Information Systems										
ME535	Industrial Safety and Occupational Health										
ME 541	Gas Dynamics and Turbo Machinery	3	--	--	3	100	25	--	--	125	3
ME 542	Engineering Tribology										
ME 543	Advanced Machine Design										
ME 544	Micro Electro Mechanical Systems										
ME 545	Instrumentation & Control										
ME 570	Manufacturing Laboratory	--	--	2	--	--	--	25	50	75	1
ME 580	Dynamics of Machinery Laboratory	--	--	2	--	--	--	25	50	75	1
***	Open Elective	3	--	--	3	100	25	--	--	125	3
HM010	Engineering Statistics	3	--	--	3	100	25	--	--	125	3
	TOTAL	20	0	4	--	600	150	50	100	900	22

Students to select **ANY ONE** subject from ME531, ME532, ME533, ME534, ME535 as **Professional Elective - I** and **ANY ONE** subject from ME541, ME542, ME543, ME544, ME545 as **Professional Elective - II**

LEGEND

Abbreviation	Description
L	Lecture

T	Tutorial
P	Practical
O	Oral
Th	Theory
TW	Term Work
IA	Internal Assessment

THIRD YEAR MECHANICAL ENGINEERING COURSE
SCHEME OF INSTRUCTION AND EXAMINATION REVISED COURSE 2019-2020
SEMESTER -VI

Course Code	Nomenclature of the Course	Scheme of Instruction Hrs/Week			Scheme of Examination						
		L	T	P	Duration (Hrs)	Marks					Credits
						Th	IA	TW	P/O	Total	
ME610	Heat and Mass Transfer	4	--	--	3	100	25	--	--	125	4
ME620	Manufacturing Technology-II	4	--	--	3	100	25	--	--	125	4
ME631	Power Plant Engineering										3
ME632	Advanced Mechanics of Solids										
ME633	Fiber Reinforced Composites	3	--	--	3	100	25	--	--	125	
ME634	Quality and Reliability										
ME635	Applied Operations Research										
ME641	Alternative Energy Sources										3
ME642	Additive Manufacturing										
ME643	Fluid Power Control	3	--	--	3	100	25	--	--	125	
ME644	Supply Chain Management										
ME645	System Modeling and Simulation										
ME650	Thermal Laboratory-II	--	--	2	--	--	--	25	50	75	1
ME660	Manufacturing & Automation Laboratory	--	--	2	--	--	--	25	50	75	1
***	Open Elective	3	--	--	3	100	25	--	--	125	3
HM002	Technical English & Report Writing	3	--	--	3	100	25	--	--	125	3
	TOTAL	20	0	4	--	600	150	50	100	900	22

Students to select **ANY ONE** subject from ME631, ME632, ME633, ME634, ME635 as **Professional Elective - III** and **ANY ONE** subject from ME641, ME642, ME643, ME644,

ME645 as **Professional Elective - IV**

*** Student will have to enter the course code that he/she takes as part of the open elective.

Between 6th & 7th semester - 8 weeks internship/training/research assistantship.

