

## T. Y. B. Tech (Mech.) – Semester V

Course Code	Course	Teaching Scheme				Evaluation Scheme				
		L	T	P	Credits	Scheme	Theory (Marks %)		Practical (Marks %)	
							Max	Min. for Passing	Max	Min. for passing
ME3011	Dynamics of Machinery	3	1	--	4	ISE	20	40	----	-----
						MSE	30		----	-----
						ESE	50		----	-----
ME3031	Heat and Mass transfer	3	1	--	4	ISE	20	40	----	-----
						MSE	30		----	-----
						ESE	50		----	-----
ME3051	Design of Machine Components	3	1	--	4	ISE	20	40	----	-----
						MSE	30		----	-----
						ESE	50		----	-----
ME3071	Control Engineering	3	1	--	4	ISE	20	40	----	-----
						MSE	30		----	-----
						ESE	50		----	-----
ME3091	Manufacturing Engineering	3	1	--	4	ISE	20	40	----	-----
						MSE	30		----	-----
						ESE	50		----	-----
ME3511	Workshop Practice – V	--	-	2	1	ISE	----	-----	50	50
						ESE	----	-----	50	50
ME3531	Dynamics of Machinery Lab	--	-	2	1	ISE	----	-----	50	50
						ESE	----	-----	50	50
ME3551	Heat and Mass Transfer Lab	--	-	2	1	ISE	----	-----	50	50
						ESE	----	-----	50	50
SH3511	Professional Skills Development – II	-	-	2	1	ISE	----	-----	100	50
ME3571	Professional Ethics in Engineering	2	-	-	P/NP	ISE	----	-----	100	40
<b>TOTAL</b>		<b>17</b>	<b>5</b>	<b>08</b>	<b>24</b>					

**Total Contact Hours/week : 30**

**Total Credits : 24**

ISE = In Semester Exam, MSE = Mid Semester Exam, ESE = End Semester Exam, P- Pass, NP- Not Pass

**Note: Students are required to undergo industrial / field training of minimum 15 days in the vacation of Semester-I. Its evaluation will be done in Semester-VI based on the report submitted by the students.**

## T. Y. B. Tech (Mech.) – Semester VI

Course Code	Course	Teaching Scheme				Evaluation Scheme				
		L	T	P	Credits	Scheme	Theory (Marks %)		Practical (Marks %)	
							Max	Min. for passing	Max	Min. for passing
ME3021	Machine Design	3	-	--	3	ISE	20	40	----	-----
						MSE	30		----	-----
						ESE	50	40	----	-----
ME3061	Internal Combustion Engines	3	-	--	3	ISE	20	40	----	-----
						MSE	30		----	-----
						ESE	50	40	----	-----
ME3081	Metrology and Quality Control	3	-	--	3	ISE	20	40	----	-----
						MSE	30		----	-----
						ESE	50	40	----	-----
ME3101	Engineering Management	3	1	--	4	ISE	20	40	----	-----
						MSE	30		----	-----
						ESE	50	40	----	-----
	<b>Program Electives- I</b>	3	-	--	3	ISE	20	40	----	-----
						MSE	30		----	-----
						ESE	50	40	----	-----
ME3521	Machine Design Lab	--	-	2	1	ISE	----	-----	50	50
						ESE	----	-----	50	50
ME3541	Advanced Machining Lab	--	-	2	1	ISE	----	-----	100	50
ME3561	Internal Combustion Engines Lab	--	-	2	1	ISE	----	-----	50	50
						ESE	----	-----	50	50
ME3581	MQC and Measurement Lab	--	-	2	1	ISE	----	-----	50	50
						ESE	----	-----	50	50
ME3601	Mini Project – II / EPICS Project	--	-	4	2	ISE	----	-----	100	50
ME3621	Field Training	--	-	-	2	ISE	----	-----	100	50
	<b>TOTAL</b>	<b>15</b>	<b>1</b>	<b>12</b>	<b>24</b>					

**Total Contact Hours/week : 28**

**Total Credits : 24**

ISE = In Semester Exam, MSE = Mid Semester Exam, ESE = End Semester Exam

**Program Elective- I**

<b>Sr. No.</b>	<b>Group</b>	<b>Course Code</b>	<b>Course</b>
1.	<b>Design Engineering</b>	ME3121	Biomechanics
2.		ME3141	Material Handling Equipment Design
3.		ME3161	Textile Technology
4.	<b>Production Engineering</b>	ME3181	Non Traditional Machining
5.		ME3201	World Class Manufacturing
6.		ME3221	Recycling and Regeneration Technology
7.		ME3241	Total Cost Management
8.	<b>Thermal Engineering</b>	ME3261	Energy Conservation And Management
9.		ME3281	Alternative Fuels