



SEMESTER III

S.No	SUB CODE	SUBJECT	L	T	P	TC	MT	Asmt./LR/Att	ESE	Total	
	Theory										
1.	TMA301	Engineering Mathematics III	3	0	0	3	25	25	50	100	
2.	TME 302	Material Science and Metallurgy	3	0	0	3	25	25	50	100	
3.	TME304	Basic Thermodynamics	3	1	0	4	25	25	50	100	
4.	TME305	Manufacturing Processes I	3	1	0	4	25	25	50	100	
5.	TME306	Engineering Mechanics	3	1	0	4	25	25	50	100	
6.	XCS 300	Career Skills	2	0	0	1	25	25	50	100	
	Labs										
7.	PME 311	Computer Aided Machine Drawing	0	0	4	2	25	25	50	100	
8.	PME 312	Metallography & Material Testing Laboratory	0	0	3	1	25	25	50	100	
9.	PME 313	Foundry & Forging Lab	0	0	3	1	25	25	50	100	
10.	XCS 310	Career Skills Lab	0	0	1	1	25	25	50	100	
11.	SME301	MOOC Seminar	-	-	-	1	-	-	100	100	
12	GP301	General Proficiency	-	-	-	1	-	-	-	100	
Total			17	3	13	26	250	250	600	1200	

*Internship during III Semester

L : Lecture, T : Tutorials, P : Practicals MT : Midterm Examinations

Att. : Attendance Asmt. : Teachers Assessment as Assignments, Seminar,

LR : Lab Record ESE : End Semester Examination



SEMESTER-IV

SN O	SUB CODE	SUBJECT	L	T	P	TC	MT	Asmt. / LR/A tt	ESE	Total
	Theory									
1.	TME403	Manufacturing Processes II	3	1	0	4	25	25	50	100
2.	TME404	Mechanical Measurements & Metrology	3	0	0	3	25	25	50	100
3.	TME405	Kinematics of Machines	3	1	0	4	25	25	50	100
4.	TME406	Strength of Materials	3	1	0	4	25	25	50	100
5.	TME407	Fluid Mechanics	3	1	0	4	25	25	50	100
6.	XCS400	Career Skills	2	0	0	1	25	25	50	100
	Labs									
7.	PME411	Machine Shop	0	0	3	1	25	25	50	100
8.	PME413	Measurements & Metrology Lab	0	0	3	1	25	25	50	100
9.	PME417	Fluid Mechanics Lab	0	0	3	1	25	25	50	100
10.	XCS410	Career Skills Lab	0	0	1	1	25	25	50	100
11.	SME401	MOOC Seminar	-	-	-	1	-	-	100	100
12.	GP401	General Proficiency	-	-	-	1	-	-	100	100
13.	PME401	Project I	-	-	-	1	-	-	100	100
Total			17	4	10	27	250	250	800	1300

L : Lecture, T : Tutorials, P : Practicals MT : Midterm Examinations

Att. : Attendance Asmt. : Teachers Assessment as Assignments, Seminar,

LR : Lab Record ESE : End Semester Examination



SEMESTER-V

SN O	SUB CODE	SUBJECT	L	T	P	TC	MT	Asmt. / LR/A tt	ESE	Total
	Theory									
1.	TME 501	Heat & Mass Transfer	3	1	0	4	25	25	50	100
2.	TME 503	Design of Machine Elements I	3	1	0	3	25	25	50	100
3.	TME504	Dynamics of Machines	3	1	0	4	25	25	50	100
4.	TME506	Fluid Machinery	3	1	0	4	25	25	50	100
5.	TME507	Industrial Engineering	3	0	0	3	25	25	50	100
6.	XCS500	Career Skills	2	0	0	1	25	25	50	100
	Labs									
6.	PME511	HMT Lab	0	0	3	1	25	25	50	100
7.	PME513	DOM Lab	0	0	3	1	25	25	50	100
8.	PME516	Fluid Machinery Lab	0	0	3	1	25	25	50	100
9.	XCS510	Career Skills Lab	0	0	1	1	25	25	50	100
10.	SME501	MOOC Seminar	-	-	-	1	-	-	100	100
11.	GP501	General Proficiency	-	-	-	1	-	-	100	100
12.	PMI 501	Internship*	-	-	-	1	-	-	100	100
Total			17	4	10	26	250	250	800	1300

*Internship After IV Semester

L : Lecture, T : Tutorials, P : Practicals MT : Midterm Examinations

Att. : Attendance Asmt. : Teachers Assessment as Assignments, Seminar,

LR : Lab Record ESE : End Semester Examination

SEMESTER-VI



SNO	SUB CODE	SUBJECT	L	T	P	TC	MT	Asmt./LR/Att	ESE	Total
	Theory									
1.	TME601	Refrigeration & Air conditioning	3	1	0	4	25	25	50	100
2.	TME602	Design of machine elements II	3	1	0	4	25	25	50	100
3.	TME603	I.C. Engines	3	1	0	4	25	25	50	100
4.	TME606	CAD/CAM	3	0	0	3	25	25	50	100
5.		Elective I	3	1	0	4	25	25	50	100
6.	XCS600	Career Skills	2	0	0	1	25	25	50	100
	Labs									
7.	PME611	Refrigeration & Air Conditioning Lab.	0	0	3	1	25	25	50	100
8.	PME614	Modeling and analysis lab(CFD + FEM)	0	0	3	1	25	25	50	100
9.	PME616	Automation & CNC Lab.	0	0	3	1	25	25	50	100
10.	XCS610	Career Skills Lab	0	0	1	1	25	25	50	100
11.	SME601	MOOC Seminar	-	-	-	1	-	-	100	100
12.	GP601	General Proficiency	-	-	-	1	-	-	100	100
	PME601	Project II	-	-	-	1	-	-	100	100
Total			17	4	10	27	250	250	800	1300

Elective I

Code	Elective name
TME 614	Finite Element Method
TME 615	Computational Fluid Dynamics
TME 616	Numerical Methods Using MATLAB

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SEMESTER-VII

S N O	SUB CODE	SUBJECT	L	T	P	TC	MT	Asmt. / LR/A tt	ESE	Total
	Theory									
1.	TME708	Mechanical Vibration	3	1	0	4	25	25	50	100
2.	TME704	Operation research & optimization technique	3	1	0	4	25	25	50	100
3.	TME706	Power plant Engineering	3	1	0	4	25	25	50	100
4.	TME707	Automobile Engineering	3	0	0	3	25	25	50	100
5.		Elective-II	3	0	0	3	25	25	50	100
6.	UCE701	Disaster Management	1	0	0	1	25	25	50	100
	Labs									
7.	PME717	Automobile Engineering Lab	0	0	3	1	25	25	50	100
8.	PME712	Major Project work Phase I	-	-	-	2	--	--	100	100
9.	GP701	General Proficiency	-	-	-	1	-	-	100	100
10.	PMI713	Internship*	-	-	-	2	-	-	100	100
Total			16	3	3	25	175	175	650	1000

Electives-II

Code	Elective name
TME714	Total Quality Management
TME715	Quality Control
TME716	Computer Integrated Manufacturing

***Internship after VI Semester**

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Att. : Attendance Asmt. : Teachers Assessment as Assignments, Seminar,

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SEMESTER VIII

SN O	SUB CODE	SUBJECT	L	T	P	TC	MT	Asm t./ LR/ Att	ESE	Total
	Theory									
1.		Elective-III	3	-	-	3	25	25	50	100
2.	PME802	Major Project work Phase II	-	-	-	4	-	100	150	250
3.	OLC801	Online Course	-	-	-	6	-	-	100	100
4.	GP801	General Proficiency	-	-	-	1	-	-	100	100
Total			3	-	-	14	25	125	400	550

Elective III

Code	Elective name
TME821	Mechanical System Design
TME814	Advanced Welding Technology
TME815	Tribology

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