

STUDY & EVALUATION SCHEME
M.TECH: MECHANICAL ENGINEERING (R)
SPECIALIZATION: PRODUCTION AND INDUSTRIAL ENGINEERING
I YEAR: I SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	MHU1002	Technical Communication	2	0	0	40	60	100	2
2	MMA1006	Applied Statistics & Operations Research	4	2	0	40	60	100	5
3	MME1001	Production & Operations Management –I	4	2	0	40	60	100	5
4	MME1002	Production Engineering-I	4	2	0	40	60	100	5
5	MME1003	Material & Manufacturing Technology	4	2	0	40	60	100	5
PRACTICAL/TRAINING/PROJECT									
6	MME1501	P & I Engineering-I Lab	0	0	4	80	20	100	2
TOTAL			18	8	4	280	320	600	24

L - Lecture

T - Tutorial

P - Practical

CIE - Continuous Internal Evaluation

ESE-End Semester Exam

C - Credit

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I YEAR: II SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	MHU2001	Professional Ethics	2	0	0	40	60	100	2
2	MCS2004	Artificial Intelligence in Engineering	4	2	0	40	60	100	5
3	MME2001	Production & Operation Management –II	4	2	0	40	60	100	5
4	MME2002	Production Engineering-II	4	2	0	40	60	100	5
5	-	Elective-I	4	2	0	40	60	100	5
PRACTICAL/TRAINING/PROJECT									
6	MME2501	Production & Industrial Engineering-II Lab	0	0	4	80	20	100	2
TOTAL			18	8	4	280	320	600	24

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II YEAR: III SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	-	Elective-II	4	2	0	40	60	100	5
2	-	Elective-III	4	2	0	40	60	100	5
PRACTICAL/TRAINING/PROJECT									
3	MME3501	Seminar/Minor Project	-	-	4	100	-	100	4
4	MME3502	Dissertation-I	-	-	6	100	-	100	6
TOTAL			8	4	10	280	120	400	20

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II YEAR: IV SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
PRACTICAL/TRAINING/PROJECT									
3	MME4501	Dissertation-II	-	-	18	80	20	100	18
4	MME4502	Comprehensive Viva	0	0	0	100	-	100	2
TOTAL			0	0	18	180	20	200	20
GRAND TOTAL			44	20	36	1020	780	1800	88

L - Lecture

T - Tutorial

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LIST OF ELECTIVES

ELECTIVE-I			
S. NO.	SUBJECT CODE	SUBJECT	SEMESTER
1	MCS2107	Simulation, Modelling and Analysis	II
2	MCS2105	Neural Network, Fuzzy Systems & Genetic Algorithm	II
3	MCS2108	Management Information System	II
4	MME2101	Finite Element Method	II
ELECTIVE-II			
1	MME3101	Advanced Foundry Technology	III
2	MME3102	Advanced Welding Technology	III
3	MME3103	Modern Manufacturing Processes	III
4	MME3104	Non-Conventional Machining Process	III
ELECTIVE-III			
1	MME3201	Total Quality Management	III
2	MME3202	Reliability, Maintenance Management & Safety	III
3	MME3203	Work Science	III
4	MME3204	Supply Chain Management	III