

Scheme for M. Tech: INDUSTRIAL ENGINEERING

Industrial Engineering First Semester					
Sr.No.	Course Code	Course Name	Type DC/DE	Structure	Credits
1	MEL517	Quantitative Techniques in Industrial Management	DC	3+0+0	3
2	MEP517	Quantitative Techniques in Industrial Management Lab	DC	0+0+2	1
3	MEL502	Methods Engineering and Ergonomics	DC	3+0+0	3
4	MEP502	Methods Engineering and Ergonomics Lab	DC	0+0+2	1
5	MEL553	Personnel Management and Industrial Relation	DC	3+0+0	3
6	MEL505	Material Management	DC	3+0+0	3
Elective/OC (Any One)					
1	MEL521	Production Planning and Control	DE	3+0+0	3
2	MEL450	Advanced Machining Processes	DE		
3	MEL408	Supply Chain Management	DE		
4	MEL533	Failure Analysis	DE		
Total credits					17

Industrial Engineering Second Semester					
Sr.No.	Course Code	Course Name	Type DC/DE	Structure	Credits
1	MEL445	Automation in Production	DC	3+0+0	3
2	MEL506	Marketing Management	DC	3+0+0	3
3	MEL501	Statics Quality Assurance	DC	3+0+0	3
4	MEP445	Automation in Production Lab	DC	0+0+2	1
Elective/OC (Any One from Each Group)					
1	MEL530 MEL510	1. Machine Condition Monitoring 2. Manufacturing System Simulation and Design	DE	3+0+0	3
2	MEL532 MEL442	1. Layered Manufacturing 2. Computer and Data Based Management	DE	3+0+0	3
3	MEP532 MEP442	1. Layered Manufacturing Lab 2. Computer and Data Based Management Lab	DE	0+0+2	1
Total credits					17

Industrial Engineering Third Semester					
Sr.No.	Course Code	Course Name	Type DC/DE	Structure	Credits
1	MED401	Project Phase - I	DC		3
Elective/OC (Any Two)					
1	MEL555	Project Evaluation and Management	DE	3+0+0	3 (3×2=6)
2	MEL439	Product Design and Development			
3	MEL433	Design for Manufacturing and Assembly			
4	MEL425	Reliability and Maintenance Engineering			
5	MEL402	Surface Engineering			
Total credits					9

Industrial Engineering Fourth Semester					
Sr.No.	Course Code	Course Name	Type DC/DE	Structure	Credits
1	MED503	Project Phase - II	DC		9
Total credits					9

Total Credits (Semester wise)

Sr. No	Type	I Sem	IISem	IIISem	IVSem	Total
1	DC	14	10	3	9	36
2	DE	3	7	6	0	16