

**M. Tech. Curriculum
Design and Manufacturing
2019 Batch onwards**

Semester - I

S. No.	Course No	Course Name	L-T-P-C
1.	MA5101	Mathematics for Engineers	3-1-0-4
2.	ME5101	Advanced Manufacturing Processes	3-0-0-3
3.	ME5103	Design for Manufacturing and Assembly	3-0-0-3
4.	ME5105	Mechanical Vibrations	3-0-0-3
5.	CE/ME5107	Advanced Mechanics of Solids	3-0-0-3
6.	ME5191	Design and Manufacturing Laboratory-1	0-0-3-2
Total			18

Semester - II

S. No.	Course No	Course Name	L-T-P-C
1.	ME5202	Product Design and Development	3-0-0-3
2.	ME5204	Finite Element Methods in Engineering Mechanics	3-0-0-3
3.	ME5206	Additive Manufacturing	3-0-0-3
4.	ME5210	Seminar	- - - 1
5.	ME5292	Design and Manufacturing Laboratory-2	0-0-3-2
6.	DPE	Department Elective	3-0-0-3
7.	FRE	Free Elective	3-0-0-3
Total			18

Semester - III

S. No	Course No	Course Name	L-T-P-C
1.	ME6111	Viva-Voce	- - - 2
2.	ME6150	Project Phase-I	- - - 10
Total			12

Semester - IV

S. No	Course No	Course Name	L-T-P-C
1.	ME6250	Project Phase-II	- - - 15
Total			15

Total Credits - 63

Department Electives

1. ME5023 Composite Materials
2. ME5024 CAD/CAM
3. ME5030 Welding Metallurgy
4. ME5XXX Metrology and Computer Aided Inspection
5. ME5XXX Abrasive Machining and Finishing Processes