

INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI
M. Tech. Curriculum: Design and Manufacturing
From the Academic Year 2020-21

Semester-I

S.No.	Course Code	Course Name	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1.	MA501L	Linear Algebra for Engineers	2-0-0-2	MA5021	12
2.	MA502L	Differential Equations for Engineers	2-0-0-2	MA5023	12
3.	ME509L	Advanced Manufacturing Processes	3-0-0-3	ME5204	6
4.	ME510L	Design for Manufacturing and Assembly	3-0-0-3	ME5206	6
5.	ME525L	Vibrations of Discrete Systems	3-0-0-3	ME5105	16
6.	CE539L	Advanced Mechanics of Solids	3-0-0-3	CE5103/ME5107	2
7.	ME518P	Design and Manufacturing Laboratory-1	0-0-3-2	ME5191	12
Total Credits			18		

Semester-II

S.No.	Course Code	Course Name	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1.	ME512L	Product Design and Development	3-0-0-3	ME5202	6
2.	ME502L	Finite Element Methods in Engineering Mechanics	3-0-0-3	ME5102	2
3.	ME504L	Additive Manufacturing	3-0-0-3	ME5111	3
4.	ME693G	Seminar	- - - 1	ME5210	4
5.	ME526P	Design and Manufacturing Laboratory-2	0-0-3-2	ME5292	19
6.		Department Elective	3-0-0-3	DPE	
7.		Free Elective	3-0-0-3	FRE	
Total Credits			18		

Semester-III

S.No.	Course Code	Course Name	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1.	ME695G	Viva-Voce	- - - 2	ME6111	4
2.	ME691G	Project Phase-I	- - - 10	ME6150	4
Total Credits			12		

Semester-IV

S.No.	Course Code	Course Name	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1.	ME692G	Project Phase-II	- - - 15	ME6250	4
Total Credits			15		

Total-63