

**INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI**  
**M. Tech. Curriculum: Structural Engineering**  
**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.	CE503L	Structural Dynamics	3-0-0-3	CE5102	2
2.	CE539L	Advanced Mechanics of Solids	3-0-0-3	CE5103/ ME5107	2
3.	CE514L	Advanced Design of Concrete Structures	3-0-0-3	CE5108	8
4.	CE508L	Structural Stability and Design	3-0-0-3	CE5115	3
5.		Mathematics Elective -1	2-0-0-2	MAE1	
6.		Mathematics Elective -2	2-0-0-2	MAE2	
<b>Total Credits</b>			<b>16</b>		

**Semester-II**

S.No.	Course Code	Course Name	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1.	CE515L	Advanced Design of Metal Structures	3-0-0-3	CE5204	8
2.	ME502L	Finite Element Method in Engineering Mechanics	3-0-0-3	ME5102	2
3.	CE516P	Advanced Structural Engineering Laboratory	0-0-3-2	CE5193	8
4.		Department Elective -1	3-0-0-3	DPE1	
5.		Department Elective -2	3-0-0-3	DPE2	
6.		Free Elective -1	3-0-0-3	FRE1	
<b>Total Credits</b>			<b>17</b>		

**Semester-III**

S.No.	Course Code	Course Name	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1.	CE693G	Seminar	- - -1	CE6110	4
2.	CE691G	Project Phase -I	- - -10	CE6150	4
<b>Total Credits</b>			<b>11</b>		

**Semester-IV**

S.No.	Course Code	Course Name	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1.	CE692G	Project Phase -II	- - -15	CE6250	4
2.		Free Elective -2	3-0-0-3	FRE2	
<b>Total Credits</b>			<b>18</b>		

**Total-62**