



MTech (Structural) Curriculum

Course Structure

Semester - I		
Sr. No.	Course Name	Credits
SE103	Advanced Solid Mechanics	03
SE104	Computer aided structural analysis and Design	03
SE105	Advanced RCC Design	03
SE219	Numerical methods	02
SE107	Research Methodology	02
SE108	Earthquake Engineering (Core elective I)	03
SE112	Computer aided structural analysis and Design Laboratory	01
	TOTAL	17

Semester - II		
Sr. No.	Course Name	Credits
SE113	Finite element Method	3
SE106	Advanced foundation engineering I	3
SE115	Retrofitting and Strengthening of structures	3
SE116	Advanced design of steel structures	3
SE121	Seminar	2
SE122	Finite element Method laboratory	1
SE125	Advanced Concrete Technology (Core elective II)	3
	TOTAL	18

Semester - III

Sr. No.	Course Name	Credits
SE114	Advanced Foundation Engineering II	3
SE220	Pre - stressed Concrete	3
PS225	Dissertation Part I	16
	TOTAL	22

Semester - IV

Sr. No.	Course Name	Credits
PS230	Dissertation Part II	18
	TOTAL	18