

Prgram Name: Master of Technology – Civil Engineering (Structural Engineering)

Semester / Year: Semester – I / First Year

Program Code : ET206

Effective From Academic Year : 2017 - 18

Subject Code	Subject Name	Credit	Hours per week				Theory (Marks)		Practical (Marks)		Total (Marks)
			L	T	P	Total	University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	
1ET2000101	Research Methodology and Technical Communication	2	1	1	-	2	-	30	-	20	50
1ET2060101	Numerical Methods for Civil Engineering	4	3	1	-	4	60	40	-	20	120
1ET2060102	Matrix Methods of Structural Analysis	5	3	2	-	5	60	40	-	20	120
1ET2060103	Advanced Design of Concrete Structures	5	3	2	-	5	60	40	-	20	120
	Elective - I	5	3	-	2	5	60	40	30	20	150
	Total Credits	21	13	6	2	21	240	190	30	100	560

Elective - I	
1ET2060104	Advanced Foundation Engineering
1ET2060105	Advanced Solid Mechanics

Note : 09 Hours / Week should be utilized for exploration of current research and innovations.

Program Name: Master of Technology – Civil Engineering (Structural Engineering)
Semester / Year: Semester – II / First Year

Program Code: ET206
Effective From Academic Year : 2017 - 18

Subject Code	Subject Name	Credit	Hours per week				Theory (Marks)		Practical (Marks)		Total (Marks)
			L	T	P	Total	University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	
1ET2060201	Finite Element Method in Structural Engineering	5	3	2	-	5	60	40	-	20	120
1ET2060202	Structural Dynamics and Earthquake Engineering	5	3	-	2	5	60	40	30	20	150
	Elective – II	5	3	2	-	5	60	40	-	20	120
	Elective – III	5	3	2	-	5	60	40	-	20	120
	Total Credits	20	12	6	2	20	240	160	30	80	510

Elective - II	
1ET2060203	Advanced Design of Steel Structures
1ET2060204	Prestressed Concrete

Elective - III	
1ET2060205	Structural Optimization
1ET2060206	Plates and Shell

Note : 10 Hours / Week should be utilized for exploration of current research and trends