Curriculum

Master of Structural Engineering

Semester	Subjects	Credits
1	Special Concrete	3
	Structural Dynamics	4
	Computational Structural Mechanics.	4
	Advanced Design of Reinforced Concrete Structures	3
	Mechanics of Deformable Bodies	3
	Research Methodology and IPR	3
	Structural Lab-1	2
2	Advanced Design of Steel Structures	3
	Finite Element Analysis	4
	Professional Elective 1	3
	Professional Elective 2	3
	Mini Project with Seminar	3
	Structural Lab-2	2
3	Design of Bridges	4
	Professional Elective 3	3
	Professional Elective 4	3
	Project Work Phase I	3
	Societal Project	3
	Internship	6
4	Project Work Phase -2	18

Electives

Structural Reliability;

Stability of Structures;

Design of High-Rise Structures;

Repair and Rehabilitation of structures;

Earthquake Resistant Design;

Advanced Materials ;

Plate and Shells ;

Structural Health Monitoring;

Design of Masonry Structures;

Design of Industrial Structures;

Design of Sub Structures;

Fracture Mechanics;

Design of form work;

Optimization Techniques;

Advance Precast Concrete Structures;

Advanced Structural Analysis;

Advanced Prestressed Concrete