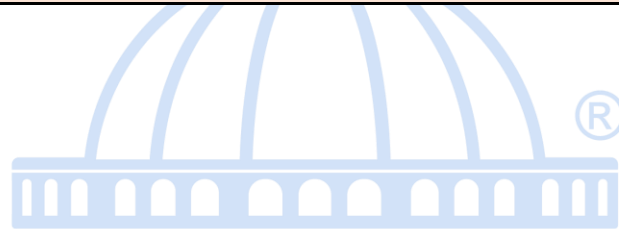


Division	Faculty of Engineering and Technology
School Name	School of Engineering and Technology
Department Name	Department of Civil Engineering
Programme Name	M.Tech. Structural Engineering

Sem	Course Type	Sum of Total Credits
I		
	University Core	
	Research Methodology	2
	Peace Studies - I	2
	Yoga for Excellence in Life-I	1
	University Core Total	5
	Programme Core	
	Advanced Mechanics of Solids	4
	Finite Element Methods	4
	Advanced Design of Steel Structures	4
	Structural Audit and Retrofitting	4
	Software Lab	2
	Programme Core Total	18
I Total		23
II		
	University Core	
	Peace Studies- II	2
	Yoga for Excellence in Life-II	1
	University Core Total	3
	University Elective	
	University Elective	4
	University Elective Total	4
	Programme Core	
	Structural Dynamics	4
	Programme Core Total	4
	Programme Elective	
	Programme Elective-I	3
	Programme Elective-II	3
	Programme Elective Total	6
	Research Core	
	Seminar	2
	Technical Writing	2
	Research Core Total	4
II Total		21
III		
	Programme Elective	
	Programme Elective-III	3
	Programme Elective-IV	3
	Programme Elective Total	6
	Programme Core	
	Earthquake Resistant Design of Structure	4
	Programme Core Total	4
	Research Project	
	Research Project-I	10
	Research Project Total	10
III Total		20
IV		
	Research Project	
	Research Project-II	16

	Research Project	16
IV Total		16
Grand Total		80

Semester	Course Name / Course Title	Programme Electives
II	Soil Structure Interaction and Advanced Design of Foundation	Programme Elective I
II	Biomechanics and Biomaterials	Programme Elective I
II	Pre-engineered Buildings	Programme Elective I
II	Plastic analysis and Design of Steel Structure	Programme Elective II
II	Mechanics of Composite Materials	Programme Elective II
II	Theory of Plasticity	Programme Elective II
III	Theory and Design of Plates and Shells	Programme Elective III
III	Advanced Design of Concrete Structures	Programme Elective III
III	Subsea Engineering	Programme Elective III
III	Design of Reinforced Concrete and Prestressed Bridges	Programme Elective IV
III	Design of atomic reactor structures	Programme Elective IV
III	Design of Masonry Structures	Programme Elective IV
III	Design of High Rise Structures	Programme Elective IV



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