List of Seventh Semester B. E. Electives

S.N.	Name of Branch	(Old Scheme) Elective-II	(New Scheme) Elective-II	(Old Scheme) Elective-III	(New Scheme) Elective-III
1.	Civil Engineering	1 Matrix Method of Structural Analysis	1 Matrix Method of Structural Analysis	1 Advanced Transportation Engineering	1 Advanced Transportation Engineering
		2 Advanced Structural Design	2 Advanced Concrete Design	2 Remote Sensing & GIS	2 Remote Sensing & GIS
		3 Pavement Design	3 Pavement Design	3 Advanced Steel Design	3 Advanced Steel Design
		4 Advanced Hydraulics	4 Advanced Hydraulics	4 Earth & Earth Retaning Structure	4 Earth & Earth Retaning Structure
		5 Soil Dynamics	5 Soil Dynamics	5 Computational Fluid Dyanamics	5 Computational Fluid Dynamics
		6 Artificial Neural Networks & Fuzzy Logic	6 Artificial Neural Networks & Fuzzy Logic	6 Municipal & Industrial Water Treatment	6 Municipal & Industrial Water Treatment
		7 Green Building	7 Green Building		
2.	Electrical Engineering	1 Optimization Techniques			
		2 Electrical Installation & Design			
		3 EHV-AC & HVDC Transmission			
		4 Advanced Power System Stability			
		5 Entrepreneurship Development			
3.	Electronics Engineering	1 Language Processors	1 Language Processors		1 Radar & Satellite Communication
		2 Optical Communication	2 Optical Communication		2 Micro Electro Mechanical Systems (MEMS)
		3 Programmable Devices & Testing	3 Programmable Devices & Testing		3 ASIC Design
		4 Wireless Sensor Networks	4 Wireless Sensor Networks		4 RTOS
		5 PLC And SCADA	5 PLC and SCADA		5 Computer Networks
					6 Mechatronics
4.	Electronics & Telecommunication Engineering	1 Digital Image Processing	1 Digital Image Processing		1 Mobile Communication
		2 Application Specific Integrated Circuits (ASIC Design)	2 Application Specific Integrated Circuit Design		2 Microelectromechanical Systems
		3 Wireless Sensor Networks	3 Wireless Sensor Networks		3 RTOS
		4 Mechatronics	4 Mechatronics		4 PLC & SCADA
			5 Radar & Satellite Communication		5 Robotics

		(Old Scheme) Elective-II	(New Scheme) Elective-II	(Old Scheme) Elective-III	(New Scheme) Elective-III
5.	Computer Science & Engineering	1 Natural Language Processing	1 AI and Expert Systems	1 Decision Support System	1 Soft Computing
		2 Software Architecture	2 Digital Signal Processing	2 Advanced Computer Architecture	2 Software Architecture
		3 Data Mining & Warehousing	3 Pattern Recognition	3 Digital Signal Processing	3 Machine Learning
		4 Wireless Communication	4 Wireless Communication	4 Pattern Recognition	4 Wireless Sensor Network
		5 Scripting Languages	5 Advanced Computer Architecture		5 Scripting Languages

		(New Scheme) Elective-IV	(New Scheme) Elective-V		
		1 Mobile Computing	1 E-Commerce		
		2 Digital Image Processing	2 Cloud Computing		
		3 Real Time Operating System	3 Bioinformatics		
		4 Advanced Web Technologies	4 Cyber Laws		
		5 Software Testing	5 Enterprise Resource Planning		

		(Old Scheme) Elective-II	(New Scheme) Elective-III	(New Scheme) Elective-IV	
6.	Information Technology	1 E-Commerce	1 Natural Language Processing	1 Advanced Operating System Design	
		2 AI and Expert System	2 Wireless Communication	2 Pattern Recognition	
		3 Data Mining & Warehousing	3 Advanced Web Technologies	3 Bio-Informatics	
		4 Digital Image Processing	4 Distributed Data Bases and Object Oriented Data Bases	4 Software Testing	
		5 Multimedia Systems	5 Industrial Robotics	5 Enterprise Resource Planning	