



List of Seventh Semester B.E. Electives

S.N.	Name of Branch	Elective-II	Elective-III
1.	Civil Engineering	1. Matrix Method of Structural Analysis	1. Advanced Transportation Engineering
		2. Advanced Structural Design	2. Remote Sensing & GIS
		3. Pavement Design	3. Advanced Steel Design
		4. Advanced Hydraulics	4. Earth & Earth Retaining Structure
		5. Soil Dynamics	5. Computational Fluid Dynamics
		6. Artificial Neural Networks & Fuzzy Logic	6. Municipal & Industrial Water Treatment
		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	
		2. Optical Communication	
		3. Programmable Devices & Testing	
		4. Wireless Sensor Networks	
		5. PLC And SCADA	
4.	Electronics & Telecommunication Engineering	1. Digital Image Processing	
		2. Application Specific Integrated Circuits (ASIC Design)	
		3. Wireless Sensor Networks	
		4. Mechatronics	
5.	Information Technology	1. E-Commerce	
		2. AI and Expert System	
		3. Data Mining & Warehousing	
		4. Digital Image Processing	
		5. Multimedia Systems	
6.	Computer Science & Engineering	1. Natural Language Processing	1. Decision Support System
		2. Software Architecture	2. Advanced Computer Architecture
		3. Data Mining & Warehousing	3. Digital Signal Processing
		4. Wireless Communication	4. Pattern Recognition
		5. Scripting Languages	