



# G. H. RAISONI COLLEGE OF ENGINEERING, NAGPUR.

(An Autonomous Institution)

C.R.P.F. Gate No. 3, Hingna Road, Digdoh Hills, Nagpur, Maharashtra 440 016 (India)

## List of Eighth Semester B.E. Elective

SN	Name of Branch	Elective-I	Elective-II	Elective-III	Elective-IV
1.	Civil Engineering	---	1. Advanced Structural Analysis	1. Advanced Steel Design	---
			2. Pavement Design	2. Prestressed Concrete	
			3. Water Power Engineering	3. Adv. Geotechnical Engineering	
			4. Earth & Earth Retaining Structures	4. Computer Graphics of Application	
			5. Water Transmission & Distribution System	5. Water & Waste Water Treatment	
			6. Adv. Engineering Geology	6. Applied Remote Sensing and Gis	
2.	Mechanical Engineering	---	---	1. Advanced Manufacturing Techniques	---
				2. Machine Tool Design	
				3. Renewable Energy Systems	
				4. Vibrations	
				5. Mechatronics	
				6. Power Plant Engineering	
				7. Automobile Engineering	
3.	Electrical Engineering	---	1. EHVAC and HVDC Trans.	---	---
			2. Entrepreneurship Development		
			3. Advanced Microprocessor peripheral		
			4. Biomedical Engineering		
			5. DSP		
			6. Opt. Tech.		
4.	Electronics Engineering	---	1. Satellite Communication	---	---
			2. Digital Image Processing		
			3. Embedded System		
			4. Mobile Communication		
5.	Electronics & Telecommunication Engineering	---	1. Computer Communication Network	---	---
			2. Digital Image Processing		
			3. Fuzzy Logic & Neural Network		
6.	Computer Science & Engineering (New)	---	---	1. Natural Language Processing	1. Data Warehousing & Data Mining
				2. Mobile Computing	2. Grid Computing
				3. Soft Computing	3. Digital Image Processing
				4. Topics in Distributed System	4. Embedded System
7.	Information Technology	1. Enterprise Resource Planning	1. Mobile Communication	---	---
		2. Fiber Optical Communication	2. Pattern Recognition		
		3. Modelling & Simulation	3. Advanced Microprocessor		
		4. Real Time Systems	4. Parallel Processing		