



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

(An Autonomous Institution under UGC Act, 1956)

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

## List of Sixth Semester B.E. Electives

(AUTONOMOUS)

S.N.	Name of Branch	(New Scheme) Elective-I	(Old Scheme) Elective-I	Open Elective (All Branches)	
1.	Civil Engineering	1. Operation Research & Management	1. Geology & Earth Science	1. Optimisation Techniques	
		2. Geology & Earth Science	2. Advanced Concrete Design		2. Environmental Science
		3. Advanced Structural Design	3. Ground Water Management		
		4. Ground Water Management	4. Operation Research & Management	3. Sensors & Transducers (Except Electronics Engg. and Electronics & Telecommunication Engg.)	
		5. Earthquake Resistant Structures	5. Environmental Management		
		6. Environmental Management			
2.	Mechanical Engineering		1. Power Plant Engineering	4. Intellectual Property Right	
			2. Design of Mechanical Drives		
			3. Artificial Intelligence		
			4. Quality & Reliability Engineering		
			5. Mechanical Vibration		
			6. Advanced I.C. Engines		
3.	Electrical Engineering		1. Microprocessor Based Systems	5. Fuzzy Logic	
			2. Digital Signal Processing		
			3. Industrial Instrumentation And Automation		
			4. Electrical Energy Management		
4.	Electronics Engineering		1. Computer Graphics & Visualization	6. Foundation Course in IT Management	
			2. TV Engineering		
			3. Mobile Communication		
			4. Sensors & Transducers		
			5. Biomedical Engineering		
			6. Verilog HDL		
5.	Electronics & Telecommunication Engineering		1. Computer Graphics & Visualization	7. Nanotechnology	
			2. CMOS VLSI Design		
			3. Sensors & Transducers		
			4. Communication Protocol Design		
6.	Information Technology	(New Scheme) Elective-II		8. Unconventional Energy System s	
		1. E-Commerce	1. Computer Graphics & Visualization		
		2. AI and Expert System	2. Soft Computing		
		3. Data Mining And Warehousing	3. Scripting Languages		
		4. Digital Image Processing	4. Management Information Systems		
		5. Multimedia Systems	5. Cyber Laws		
7.	Computer Science & Engineering		1. E-Commerce	9. Material Science	
			2. Computer Graphics And Visualisation		
			3. Java Programming		
			4. Distributed Databases & Object Oriented Databases		
			5. Enerprise Resource Planning		
				10. Constitution of India	
				11. Genetic Engineering	
				12. Principles of Business Management	
				13. Foundation Course in Marketing Management	
				14. Foundation Course in Human Resource Management	
				15. Business Legislation	
				16. Foundation Course in Accounting	
				17. Quantitative Decision Making	
				18. Financial Management	
				19. Finance for non Financials	
				20. Bio Systems in Engineering	
				21. Reliability Engineering	