

LIST OF OPEN ELECTIVE-I FOR VII SEMESTER

Sr.	Course No.	Name of Subject	Remarks
1.	CET-419	Hydro Electric Power Development	
2.	CET-421	Concrete Technology	
3.	CET-423	Environmental Engg.	
4.	CET-425	Machine Foundations	
5.	COT-471	Fundamentals of Software Engg.	
6.	COT-473	Fundamentals of Database Systems	
7.	COT-475	Fundamentals of Computer Hardware Technologies	
8.	COT-477	Artificial Intelligence	
9.	ET-461	Non-Conventional Energy Sources	
10.	ET-463	System Modeling and Control	Only for C and M
11.	ET-465	Fault Tolerance and Reliability Engg.	
12.	ET-467	Illumination Engg.	
13.	ET-469	Microprocessors and Applications	Only for C and M
14.	ET-431	Transducers and Applications	Only for C and M
15.	ECT-431	e-Business	
16.	ECT-433	Radio and TV Engineering	
17.	ECT-435	Acoustic Engineering	
18.	ECT-437	Measurement Systems	
19.	ECT-439	Basic Communications Engg.	
20.	MET-429	Industrial Robotics	
21.	MET-431	Cryogenic Engg.	
22.	MET-433	Industrial Noise and Control	
23.	MET-435	Computer graphics and product Design	
24.	MET-437	Piping Engg.	
25.	MET-439	Process Equipment Design	
26.	MET-441	Industrial Engg. And Organization	Not for M.
27.	CHT-463	Metals and Alloys	
28.	HuE-461	Modern Trends in Management	
29.	HuE-463	Industrial Social Responsibility	
30.	HuE-467	Development and Planning in Indian Economy	
31.	HuE-475	Advance Communication Skills in English	
32.	MaE-467	Advanced Mathematics-I	
33.	PhE-465	Lasers	
34.	PhE-467	Ultrasonics	

LIST OF OPEN ELECTIVE-II FOR VIII SEMESTER

Sr.	Course No.	Name of Subject	Remarks
1.	CET-414	River mechanics & Flood Control	
2.	CET-416	Geosynthetics Engg.	
3.	CET-418	Introduction to Finite Element Method	
4.	CET-420	Transport Planning	
5.	COT-472	Fundamentals of Operating Systems	
6.	COT-474	Fundamentals of Computer Networks	
7.	COT-476	Object Oriented Software Engg.	
8.	COT-478	Expert Systems	
9.	COT-480	Security and Cryptography	
10.	ET-462	Energy Management and Conservation	(All except E)
11.	ET-464	Robotic Dynamics and Control	
12.	ET-466	Reliability Centered Maintenance	
13.	ET-468	Process Instrumentation & Control	
14.	ET-470	ANNs and Fuzzy logic	
15.	ET-472	Control and Guidance	
16.	ET-474	Artificial Intelligence and Expert Systems	
17.	ECT-436	IC Fabrication Processes	
18.	ECT-438	Op-amp Applications	
19.	ECT-440	Theory and Application of DSP	
20.	ECT-442	Mobile Communication	
21.	MET-428	Non-Conventional Energy Systems	
22.	MET-430	Value Engg.	
23.	MET-432	Pneumatics & Hydraulics Control	
24.	MET-434	Material Handling	
25.	MET-436	Computer Modeling & Software Engg.	
26.	MET-438	Air Pollution and its Control	
27.	ChT-464	Polymer Technology	
28.	HuE-462	Entrepreneurship	
29.	Hue-464	Human Resource Management	
30.	*	*Intellectual Property Rights	
31.	MaE-468	Advanced Mathematics-II	
32.	PhE-468	Non-Destructive Testing	
33.	PhE-470	Transducers & their Applications	

(* Subject to the final approval of BOS AS & Hum.)