

ELECTIVE LIST

ELECTIVE-II			
Sr. No.	Subject Code	Name of Elective	Concerned Board of Study
1	PGOPENASH001	Differential Equations	App. Science & Humanities
2	PGOPENASH002	Linear Algebra	App. Science & Humanities
3	PGOPENASH003	Numerical Analysis	App. Science & Humanities
4	PGOPENASH004	Theory of Vectors	App. Science & Humanities
5	PGOPENASH005	Nano Science and Nanotechnology	App. Science & Humanities
6	PGOPENASH006	Advanced Materials and its Applications	App. Science & Humanities
7	PGOPENASH007	Laser, Fibre Optics and Applications	App. Science & Humanities
8	PGOPENASH008	Polymer Science and Technology	App. Science & Humanities
9	PGOPENASH009	Instrumental Methods of Chemical Analysis	App. Science & Humanities
10	PGOPENASH010	Waste Management	App. Science & Humanities
11	PGOPENARCH011	Life Skill /Soft Skills	Architecture
12	PGOPENARCH012	Product Design & Development Process	Architecture
13	PGOPENARCH013	Disaster Management & Mitigation	Architecture
14	PGOPENANCE014	Internet Of Things (IoT)	CE & IT
15	PGOPENANCE015	Storage Area Networks And Management	CE & IT
16	PGOPENANCE016	Chemical Engineering Mathematics	Chemical Engg.
17	PGOPENANCE017	Modern Chemical Instrumentation	Chemical Engg.
18	PGOPENANCE018	Chemical Engineering Mathematics	Chemical Tech.
19	PGOPENANCE019	Modern Chemical Instrumentation	Chemical Tech.
20	PGOPENANCE020	Advance Data Mining and Big Data Analytics	CSE
21	PGOPENANCE021	Cyber Forensic and Computer Crimes	CSE
22	PGOPENANCE022	Artificial Intelligence	Electrical
23	PGOPENANCE023	Utilization of Electrical Energy	Electrical
24	PGOPENANCE024	Biomedical Systems Engineering	Electronics
25	PGOPENANCE025	Soft Computing Techniques	Electronics
26	PGOPENANCE026	Digital Forensics	Electronics
27	PGOPENANCE027	Nano Electronics	Electronics
28	PGOPENANCE028	CMOS VLSI Design	ESC
29	PGOPENANCE029	Soft Computing	ESC
30	PGOPENIND030	Entrepreneurship Development	IND
31	PGOPENIND031	Computer Aided Facilities Planning	IND
32	PGOPENANCE032	Total Quality System & Engineering	Mechanical CAD/CAM
33	PGOPENANCE033	Reliability Engineering	Mechanical CAD/CAM

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34	PGOPENCADMA034	Artificial Intelligence	Mechanical CADMA
35	PGOPENCADMA035	Control System Engineering	Mechanical CADMA
36	PGOPENCADMA036	Micro Electro Mechanical System	Mechanical CADMA
37	PGOPENMECHHP037	Energy Conservation and Management	Mechanical HPE
38	PGOPENMECHHP038	Automobile Engineering	Mechanical HPE
39	PGOPENMECHHP039	Advanced Operation Research	Mechanical HPE
40	PGOPENMED040	Robotics	Mechanical MED
41	PGOPENMED041	Mechanization in Food Processing	Mechanical MED
42	PGOPENMETA042	Engineering Materials and Metallurgy	Metallurgical Engineering
43	PGOPENCSE043	Real Time System & Software	SS
44	PGOPENCSE044	Operation Research	SS
45	PGOPENCSE045	Mobile Computing	WCC
46	PGOPENCSE046	Biometric Technologies and Applications	WCC
<i>TOTAL</i>			46

ELECTIVE LIST

ELECTIVE-IV			
Sr. No.	Subject Code	Name of Elective	Concerned Board of Study
1	PGOPENASH001	Transform Methods	App. Science & Humanities
2	PGOPENASH002	Theory of Probability and Statistics	App. Science & Humanities
3	PGOPENASH003	Complex Analysis	App. Science & Humanities
4	PGOPENASH004	Mathematical Optimization Methods	App. Science & Humanities
5	PGOPENASH005	Non Destructive Testing	App. Science & Humanities
6	PGOPENASH006	Non-Conventional Energy System	App. Science & Humanities
7	PGOPENASH007	Basics of Remote Sensing	App. Science & Humanities
8	PGOPENASH008	Bio Physics	App. Science & Humanities
9	PGOPENASH009	Fuels and Lubricants	App. Science & Humanities
10	PGOPENASH010	Environment and Sustainable development	App. Science & Humanities
11	PGOPENASH011	Advances on Renewable Energy Technology	App. Science & Humanities
12	PGOPENASH012	Advanced Engineering Materials	App. Science & Humanities
13	PGOPENASH013	Remote Sensing and Geographical Information System	App. Science & Humanities
14	PGOPENASH014	Law, Technology & Public Policy	App. Science & Humanities
15	PGOPENASH015	Economics of Research & Development	App. Science & Humanities
16	PGOPENASH016	Ganddian Engineering	App. Science & Humanities
17	PGOPENASH017	Advanced Technical English Writing	App. Science & Humanities
18	PGOPENARCH001	Green Building	Architecture
19	PGOPENARCH002	Product Design for Energy & Environment	Architecture
20	PGOPENARCH003	Man, Environment & Sustainability	Architecture
21	PGOPENANCE001	Machine Learning	CE & IT
22	PGOPENANCE002	Ethical hacking and digital Forensic	CE & IT
23	PGOPENANCHE001	Advanced Petroleum Refining	Chemical Engg.
24	PGOPENANCHE002	Nanotechnology	Chemical Engg.
25	PGOPENCHT001	Advanced Petroleum Refining	Chemical Tech.
26	PGOPENCHT002	Nanotechnology	Chemical Tech.
27	PGOPENCSE001	Security Analysis of Software	CSE
28	PGOPENCSE002	Advance Databases	CSE
29	PGOPENEE001	PLC & SCADA	Electrical
30	PGOPENEE002	Digital Control System	Electrical
31	PGOPENETX001	Wireless Sensor Network	Electronics

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32	PGOPENETX002	Bio-Informatics	Electronics
33	PGOPENETX003	Artificial Intelligence and Robotics	Electronics
34	PGOPENCSE002	Designing Embedded Communication Software	ESC
35	PGOPENCSE002	Embedded System Testing and Verification	ESC
36	PGOPENIND001	Product Design & Intellectual Property Rights	IND
37	PGOPENIND002	Reliability Engineering	IND
38	PGOPENIND003	Communication Skills	IND
39	PGOPENCADCAM001	Manufacturing System Integration & Management	Mechanical CAD/CAM
40	PGOPENCADCAM002	Modeling & simulation	Mechanical CAD/CAM
41	PGOPENCADCAM003	Production and Operations Management	Mechanical CAD/CAM
42	PGOPENCADMA001	Design Optimization Techniques	Mechanical CADMA
43	PGOPENCADMA002	Data Communication in CADMA	Mechanical CADMA
44	PGOPENCADMA003	Modeling & simulation	Mechanical CADMA
45	PGOPENMECHHP001	Mechatronics	Mechanical HPE
46	PGOPENMECHHP002	Environmental Pollution and Control	Mechanical HPE
47	PGOPENMECHHP003	Optimization Methods in Engineering	Mechanical HPE
48	PGOPENMED001	Finite Element Analysis	Mechanical MED
49	PGOPENMED002	Optimization in Engg. Design	Mechanical MED
50	PGOPENMETA001	Advanced Engineering	Metallurgical Engineering
51	PGOPENCSE002	Software Testing Methodologies	SS
52	PGOPENCSE002	Optimization Techniques	SS
53	PGOPENCSE002	Wireless communication and Network	WCC
54	PGOPENCSE002	Mobile Application Development	WCC
TOTAL			54