

Open Elective Courses

Every student shall earn 3 credits by choosing one of the open elective courses from the following list. Further students from a particular program, for example Electrical and Electronics Engineering., shall not opt for open electives offered by their own program. Students shall consult their class mentors before opting for an open elective course. The open elective courses on offer will be subject to availability of time table slot, faculty members, class rooms and minimum class strength specified from time to time.

Students may choose any one of the following courses.

Open Elective courses of 4th Semester

IV semester			
S. No	Department	Open Elective Courses	
1	Department of EEE	i)	Operation and maintenance of Electrical systems in ships
		ii)	Smart sensors
2	Department of Mechanical Engineering	i)	Fundamentals of welding
		ii)	Fuels and lubrication technology
3	AMET Business School	i)	Managing People and Organization
		ii)	Introduction to Shipping Business
4	Department of Naval Architecture and Offshore Engineering	i)	Ocean Observation and Measurement Techniques
		ii)	Marine Pollution Regulations
5	Department of Marine Biotechnology	i)	Microbiology for Petroleum Industry
		ii)	Human Nutrition and Health
6	Department of Petroleum Engineering	i)	Principles of Petroleum Engineering

		ii)	Petroleum Storage, Transportation and Marketing
7	Department of Mining Engineering	i)	Geology Engineering
8	Department of Marine Engineering	i)	Ship Safety and Environmental Protection
		ii)	Ship Recycling Marine Engineering
		iii)	Marine Engineering -I
9	Department of Food Processing Technology	i)	Spices & Plantation Processing Technology
		ii)	Nutraceuticals and Functional Foods
10	Department of Information Technology	i)	Introduction to SCILAB Programming
		ii)	Information Technology for Office Automation
		iii)	JAVA Programming
11	Department of Mathematics	i)	Contributions of Ramanujam in Mathematics
		ii)	Vedic Mathematics
12	Department of Chemistry	i)	Organic synthesis
		ii)	Marine chemistry
13	Department of Physics	i)	Nano Sensors And Devices
		ii)	Advanced Functional Materials
14	Department of Harbor and Ocean Engineering	i)	Basics of Harbor Engineering
		ii)	Basics of Dredging Technology
15	Department of English	i)	Creative writing
		ii)	Cyber Literature
16	Department of Yoga	i)	Yoga for human Excellence

Open Elective courses of 6th Semester

VI semester			
S.no	Department	Open Elective Courses	
1	Department of EEE	i)	Basics of electrical energy generation and distribution
		ii)	Solar power systems
2	Department of Mechanical Engineering	i)	Non Destructive testing
		ii)	Fundamentals of Fluid Power systems
3	AMET Business School	i)	Human Resource Management
		ii)	Global Logistics Management
4	Department of Naval Architecture and Offshore Engineering	i)	Elements of Geotechnical Engineering
		ii)	Basic Principles of Marine Vehicle Design
5	Department of Marine Biotechnology	i)	Marine Pollution and Biological Solutions
		ii)	Commercial products from Food Processing Wastes
6	Department of Petroleum Engineering	i)	Offshore Oil & Gas Operations
		ii)	Drilling Technology
7	Department of Mining Engineering	i)	Remote Sensing for Natural Resources
		ii)	Marine Geology
8	Department of Marine Engineering	i)	Refrigeration & Air conditioning
		ii)	Material handling Equipments
9	Department of Food Processing Technology	i)	Sensory Analysis of Food Instrumental

		ii)	Food Industry By-Product Processing
10	Department of Information Technology	i)	Data Analysis and Visualization
		ii)	Python Programming
		iii)	Digital media analytics for business
11	Department of Mathematics	i)	Numerical methods and programming
		ii)	Industrial Statistics
12	Department of Chemistry	i)	Nano Chemistry
		ii)	Green Chemistry
13	Department of Harbor and Ocean Engineering	i)	Physical and Numerical Modelling in Coastal Engineering
		ii)	Marine Instrumentation
14	Department of Physics	i)	Energy Storage Materials And Devices
		ii)	Nanophotonics
15	Department of English	i)	English for Career Development
		ii)	Business English in Globalized World