



Engineering Courses

Electrical & Computer Engineering

MCSE (Microsoft Certified System Engineer)

- All Cisco packages
- Network +
- A+
- Power System Protection: Principles, Operation and Design
- Applications of Power Electronics in Energy Sector of Oman
- Basics of Field Instrumentation.
- Introduction to MATLAB/Simulink and design of controller using MATLAB.

Mechanical & Industrial Engineering

- Basics of Marine engines, Marine subsystems and Electrical and electric controls.
- Basics Of Vehicle Engines.
- Short term course on CAD.
- CCNA Certification Training.
- Energy Efficiency in Air conditioning Systems.
- Environmentally Conscious Manufacturing (ECM).
- Finite Element Analysis using ANSYS workbench / APDL.
- Hydraulic and Pneumatic System.
- Machine Vibration Analysis: Application and Implementation.
- Non - Destructive Testing.
- Refrigeration and Air conditioning.
- Rigging and Slings.
- Water and Wastewater Treatment.
- Operation and Maintenance of Air Conditioning systems.
- Preventive maintenance strategies for Water Pumps

Built and Natural Environment

1. Design and Materials

- » Seismic Design of Reinforced Concrete/ Steel Structures manually and using software.
- » Design of Reinforced Concrete Structures
- » Design of Steel Structures
- » Design of Pre-stressed Concrete Structures
- » Repair and Rehabilitation of Structures
- » Testing of Construction Materials

2. Water and Environment

- » Environmental Auditing for Industries
- » Small scale wastewater treatment system- design and operation
- » Environmental Management Systems
- » Air Pollution and Control
- » Environmental Impact Assessment
- » Natural Technologies for wastewater treatment
- » Estimation of discharge in Aflaj system
- » Evaluation of pumping discharge through aquifer
- » Hydrological data collection and checking for inconsistency and missing record
- » Design of water distribution system using EPA net
- » Modelling Wastewater Treatment Processes and Plants
- » Management and sustainability of Aflaj water system
- » HECHMS Application for Flood Modeling and Management