

COURSES MODULE

For

MEP DESIGN



CERTIFICATION & PG DIPLOMA COURSES FOR **Oil & Gas / Chemicals /
Energy & Power industries.**

MEP Training

1. HVAC Design & Drafting as per **ASHRAE, Career, SMACNA (united state of America) and DW 142/144**

- HVAC Design & Drafting fundamentals as per international codes & standards
- Cooling load & heat loss calculations
- Central heating system design
- Air distribution system design
- Chilled water system design
- Commercial ventilation system design
- Clean Rooms/ Cold Stores
- Equipment Selection
- Erection of Equipments.
- Maintenance
- Estimation of Projects.

2. Electrical Design & Drafting as per **IEC, BS, IEEE, NEC and NFPA-**

- Design, Drafting & Installation of Electrical Power Supply & Distribution
- Residential Commercial Interior and external Lighting
- Modern Closed Circuit Television System Design
- Security System Design
- Fire Alarm System Design
- Conduit System Design
- Low Current Systems
- Sound Systems
- Codes & Standards & Safety

3. Institute of building services engineering IBSE - Plumbing and Fire Fighting design and drafting as per BS, ASTM, and NFPA

- Design, Drafting and installation of plumbing and fire fighting system, cold and hot water supply system, drainage system, storm water system, water supply and drainage pipe sizing design and calculations, pumps sizing and calculations, Designing and installation of water hammer arresters, sizing of hot and cold water storage tanks, pipe sizing for sprinklers system, dry and wet riser systems. Selection and installation of types of extinguishers as per defined areas, head and flow calculations and selection for fire pumps, and plumbing codes and **standards**.



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