

## Workshop on

# "HVAC Operations & Design" 2-Day Program

## About Us

We are the training providers and deals in Technical, HSEQ, Management and Soft Skills Training.

We have highly knowledgeable and experienced local & foreign subject matter experts. Our team is highly focused and provides the best support as per your requirements and needs.

We provide a platform from where you can add value in you teams. We are highly fascinated on the development of your Technical and Management Teams.

We can provide on-site and classroom training.

## Trainer's Profile

Mr. Zubair is a Mechanical Engineer from NED. He has over 15 years of experience in the field of Project Management, Design and Engineering.

Currently he is working as a consultant. He has vast experience in the field of HVAC Design and Operations. He has worked in Middle East and Pakistan. He has also involved in various projects with conglomerates.

He has been carried out all mechanical services design to ASHRAE, British Standards, NFPA, ICC, AWWA, SMACNA and Local Municipality regulations of Pakistan, Kuwait and UAE.

He has detailed design of systems include district cooling, centralized heating/cooling, VAV and CAV air distribution systems, VRF/VRV system & DX-Split system while maintaining the indoor air quality.

## Training Content:

- PRE TEST
- Introduction
- Load Calculation (both manual and software based)
- Psychrometrics
- Air-Conditioning and Heating Systems
- Introduction of Major Types of Systems in Practice
- Split and VRF System
- Chilled and Hot Water System
- Air Distribution System
- Hydronic Systems
- Condenser Water System
- Air and Water Cooled Package Unit System
- Schematic Brief
- Equipment's Detail and their Selection

- Heat Recovery Equipments to Save Energy and Operating Cost
- Ventilation and Infiltration
- Indoor Air Quality
- Duct Design and Sizing
- Pipe Sizing
- Dampers, Valves and Specialties
  
- POST TEST

The  
**HIPP CAMPUS**  
Industrial Training & Consulting

### Contact Us

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