

FUNDAMENTALS OF HVAC

COMFORI SDN BHD

Objectives:

- Why HVAC systems play a major role in achieving quality indoor environment.
- Basic air-conditioning.
- The impact of HVAC systems on comfort, productivity and indoor air quality.
- Heat loss and cooling load calculations.
- HVAC equipment and how it operates.

Overview:

This practical course will develop your knowledge of basic principles and provide you with a thorough understanding of heating, ventilation and air-conditioning systems. Your participation in this course will help you understand HVAC system requirements, which can be quite diverse. You'll learn how properly designed HVAC systems can efficiently and cost-effectively provide a comfortable and healthy indoor environment. You'll also discover how poorly designed or performing HVAC systems can adversely impact occupant comfort, productivity and health.

Modules:

- Module 1: Introduction to HVAC
- Module 2: HVAC
- Module 3: Psychometrics
- Module 4: Psychometrics Workshop
- Module 5: Fundamentals of Heating Load Calculations
- Module 6: Fundamentals of Cooling Load Calculations
- Module 7: Introduction to HVAC Controls
- Module 8: HVAC Systems Workshop
- Module 9: Introduction to Refrigeration Equipment
- Module 10: Overview of Air-Conditioning Systems
- Module 11: Air Delivery Systems
- Module 12: Air-Conditioning System
- Module 13: Achieving Successful HVAC Systems
- Module 14: Alternative Technologies (Gas Cooling)