

# FUNDAMENTALS OF HVAC

## OVERVIEW

Your participation in this course will help you understand HVAC system requirements, which can be quite diverse. You will learn how properly designed HVAC systems can efficiently and cost effectively provide a comfortable and healthy indoor environment. You will also discover how poorly designed or performing HVAC systems can adversely impact occupant comfort, productivity and health.

## TARGET MARKET

- Facilities engineers
- Maintenance engineers/executives/supervisors
- Charge man
- Technicians
- Air-cond distributors
- M&E engineers

## COURSE OUTLINE

- Introduction to HVAC
- HVAC
- Psychometrics
- Psychometrics workshop
- Fundamentals of heating load calculations
- Fundamentals of cooling load calculations
- Introduction to HVAC controls
- HVAC systems workshop
- Introduction to refrigeration equipment

## OBJECTIVES

Upon completing this course, you will understand:

- 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



**SBL CLAIMABLE**



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