

## HVAC Design (Calculation & Theory) Mechanical

### Training Details:

<b>Course Code</b>	<b>: HCCC05</b>
<b>Course Name</b>	<b>: HVAC Design (Calculation &amp; Theory)</b>
<b>Duration</b>	<b>: 2 Months</b>
<b>Eligibility</b>	<b>: Diploma / BE / ME (MECH)/ Equivalent</b>

### Syllabus:

#### STARTING HVAC PROJECT

- Linking Projects
- View templates
- General System Options

#### ENERGY ANALYSIS FEATURES

- Use building elements for energy analysis mode
- Preparing spaces
- Zones in the system browser

#### VALIDATE ENERGY ANALYTICAL MODE

- Use third party tool for checking
- Heating and cooling load calculation



## **PLANNING MECHANICAL SYSTEM**

- Adding mechanical equipment
- Adding diffuser
- Create duct system

## **ADDING DUCT SYSTEM**

- Adding duct by duct layout
- Adding duct by duct pace holder
- Adding duct manually
- Ductsizing

## **ANNOTATION AND HYDRONIC CONNECTIONS**

- Annotating duct
- Model pipe system

## **ELECTRICAL DESIGN**

- Adding light fixtures
- Adding receptacles
- Adding & circuiting panel board

## **PANEL SCHEDULE**

- Creating panel schedule
- Creating a switch system
- Circuiting receptacles

## WIRING

- Adding wiring
- Modifying panel schedule
- Creating lighting circuit as per Indian standard
- **PLUMBING**

