

# ELECTRICAL CAD



# AutoCAD Electrical

## Overview:

AutoCAD Electrical is an Autodesk software specially made for Electrical, Instrumentation and Control System Designers helping designers to: create and modify electrical control systems. pre-programme tasks and comprehensive symbol libraries. promote design automation.



## Prerequisites:

The students have a very good opportunity as an electrical design engineer if they possess the skills of AutoCAD Electrical.

## Key Contents:

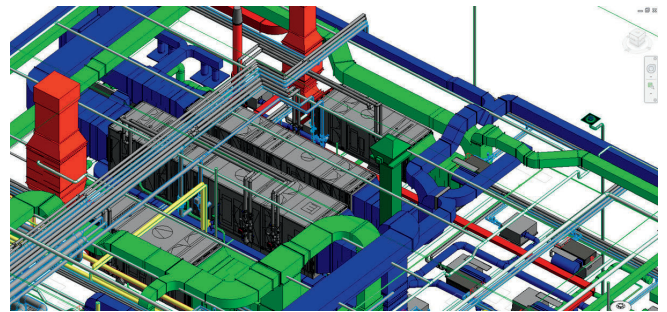
- **Basics of computers & CAD**
- **Basic Tools of AutoCAD**
- **How to make 2D Drawings in AutoCAD**
- **How to edit and modify AutoCAD**
- **drawings**
- **How to dimension entities**
- **How to increase productivity**
- **How to create and access symbols**
- **How to prepare and manage a layout**
- **How to share data in a network**
- **How to extract BOM**
- **How to control display for effective use of the system**
- **Communication design on the web**
- **How to work with Sheet set manager**
- **How to Import and Export drawings**

# Revit MEP

## Overview:

REVIT MEP is a building information modelling (BIM) software that gives mechanical, engineering, and plumbing experts the greatest tools for designing complex systems.

The course we will pay attention to the necessary configuration within a Revit project to be able to execute electrical calculations. We will show you how to work with circuits, boards, voltage types and electrical distribution systems. You will learn how to extract data from circuits and create dashboard views that balance design loads.



## Key Contents:

- Introduction Revit MEP
- MEP Design
- Work Sharing
- Family Creation
- Solid Modelling
- Equipment
- Light Fixture
- Devices
- HVAC Design
- Heating and Cooling Load
- Analysis Logical System and
- Duct Work Inspect System
- Electrical Design
- Lighting Analysis
- Power and Communication
- Design Plumbing Design
- Fire Protection System
- Schedules