



NIMET

Mechanical, Electrical and Piping/Plumbing Software course in Construction Industry

Qualification: Revit MEP

Qualification Level: Autodesk Professional Certificate

Duration: 8 Days training of 3 hours per day.

This course will develop you to be proficient and understand computer design skills in Construction Industry and its functions on how to use it in the Industry in different Business world applications.

Admission Requirements:

Full Matric or Grade 12 certificate or Matric equivalent qualification

Content

INTRODUCTION

MEP Interface
Using the Included Working Files
Working with Views
File Concept

EDITING TOOL

Select element
Using filter
The align tool
Copy and Paste
Arrays
Extend and trim

Groups

VIEWS

Controlling Visibility
Elevation
Section
Creating Callout
Ceiling Plans
View Template
Section Box
Scope box

SPACE AND ZONE

Room and Room Tag
Creating Spaces
Modifying Spaces
Area and Volume Calculation
Creating Zone
Systems Browser and Zone
Colour Scheme

CREATION TOOLS

Opening a Revit Project
Viewing 2D and 3D Model
System Tab

STARTING A MEP PROJECT

New MEP Project
Linking an Architect Revit file
Copy – Monitor Level and Grid
Copy –Monitor MEP Fixture
Initial Plan View
Project Information

Linking CAD File

COMPONENT FAMILY

Out of the Box Family
Basic Family Creation

SYSTEMS

System Browser
Graphic Overrides
Checking Systems
System Inspector
Duct Sizing



HVAC

Mechanical Setting –Duct
Air Terminal and Mechanical
Equipment
Ducts
Adding and Modifying Fittings
Duct Systems
Automatic Ductwork Layout

PLUMBING SYSTEMS

Adding Plumbing Fixture
Modifying Plumbing Fixture

DETAILING

Creating Details
Adding Detail Lines
Detailing in 3D
Importing Details
Editing Details
Exporting Detail

PRESENTATIONS

Custom Material
Custom Lighting
Exporting Image
Walkthrough

HYDRONIC PIPING SYSTEM

Plumbing and Pipe Work
Mechanical Setting – Pipes
Piping Systems
Adding Pipes
Modifying Pipes
Adding and Modifying Fitting
Generate Pipe Layouts

ELECTRICAL SYSTEMS

Electrical Settings
Electrical Component
Cable Tray
Conduit

DOCUMENTATION

Setting Up Sheet
Printing
Tag vs Text
Dimensions

- On successful completion of the programme, the student will receive a International Autodesk Certificate through Modena.
- Course fees: R5000. These study fees include the cost for study material but excluding international Exams.
- The qualification is computer based
- 50% of the fees must be paid to complete registration

Disclaimer:

The content of this brochure, accurate at the time of going to print, is subject to change without notification due to legislation, material price, market requirements or any other reason. NIMET reserves the right to change the programme content without notice.