

HVAC (PART2) with Revit MEP & Practical Projects

Heat ventilation and air conditioning (HVAC) is one of the most important system for any building design.

Heat ventilation & air conditioning Design course that you need in order to get your hand on the HVAC design as this course collects most of the knowledge that you'll need in your journey.

You will learn

- Learn how to install a full free version of the Revit software
- Take an overview on the Revit interface
- Learn how to prepare the initial settings of the Revit project
- Learn how to link an architectural Revit project
- Learn how to handle the architectural ceilings and floors to be ready for the HVAC design
- Learn how to control the visibility graphics for any drawing of the building
- Design the diffusers system layout on the suspended ceiling
- Design the complete ducts system layout on the floor ceiling
- Learn some tricks and modifications on the ducts system design to overcome any interference in the design
- Create the spaces required for designing the HVAC project layout
- Create the tagging process for the spaces in your HVAC project layout
- make all the required thermal loads calculations with the Revit software
- design the required zones inside each floor to distribute the HVAC air system
- Analyze the thermal loads report out of the Revit
- Learn how to work on the different routing preferences for the ducting system

- Learn how to set the different mechanical settings for the ducting system
- Learn how to create the shared parameters required for the tagging process
- Learn how to use the different annotation tools required to complete the air system drawing
- Learn how to put the shop drawing on the final template and to print it
- Design the chiller system required to feed the project on the Revit software
- Design the piping system required for the chiller , the Air handing unit and the pump
- Learn how to make the sizing operation required for the each duct in the system
- Learn how to make the sizing operation required for the each pipe in the system

This Course for

- Mechanical engineers
- HVAC designers
- Fluid mechanics engineers
- Heat Ventilation and Air Conditioning workers
- Anyone who need to construct his HVAC project
- Energy engineers
- Technicians
- Revit MEP designers

Course Duration

5 Days