CAPITOL PROFESSIONAL ACADEMY

REVITMEP

Capitol Professional Academy
Give Wings to Your Career

Technical Training
Recruitment
Engineering & Consulting
Constructions

Capitol Professional Academy, an institution dedicated for providing advanced level of training to vibrant enthusiasts who seek careers in the industry and corporate. The professional courses offered by Capitol Professional's Academy is specially designed on Industry basis to acquire technical knowledge and skills in order to seek career position in corporate and industries. CPA trained individuals are qualified for positions in constructional projects, petrochemical plants, telecom sector, utilities, fabrication designing, software, networking, Industries which work on industrial automation based turnkey projects, maintenance and other occupations that require automation skills.

CAPITOL GROUP

CAPITOL PROFESSIONAL ACADEMY
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DIPLOMA IN ELECTRICAL CONSTRUCTION ENGINEERING

INDUSTRY FOCUSSING

- Construction & Infrastructure
- Facility Management
- Oil and Gas Industry
- Telecom companies
- Military services
- IT and networking
- Utilities
- Hospitality Industry
- Airports / Aviation field
- Sea ports / Shipyards
- Medical services
- Transportation fields

Flexible solutions for Industry need

In this fast moving construction nature, most of our companies are hiring for trained professionals around the globe than non-trained professionals. Around 40% of the total project value belongs to MEP department that's brings an importance of this course.

Autodesk certifications provide reliable validation of knowledge and skills. Autodesk REVIT is the popular Building Information Modeling (BIM) software widely used to create effective design of a building including its components and sub-assemblies. The user of Autodesk REVIT largely comprises of engineers and architects enabling them to create 3D design structures and handling database techniques to access the structural information. On the other hand REVIT MEP is a matured application reaching masses within the engineering and building design field. Typically REVIT MEP is a streamlined for MEP trades and processes

COURSE DETAILS

Batch :	Full Time	Part Time
Duration :	1 Months	2 Months
Qualification :	M.TECH / B.TECH / DIPLOMA (EEE/AE/ECE/ME)	

DESIGINING

Methods and techniques for the design of Electrical Construction using design tools (Tools used: **AUTO CADD, REVIT**).
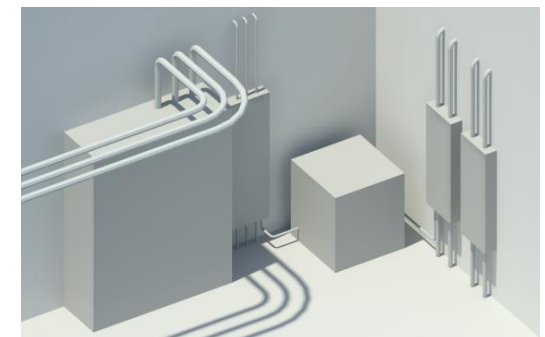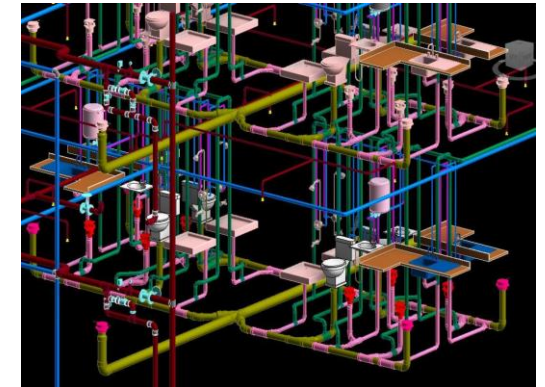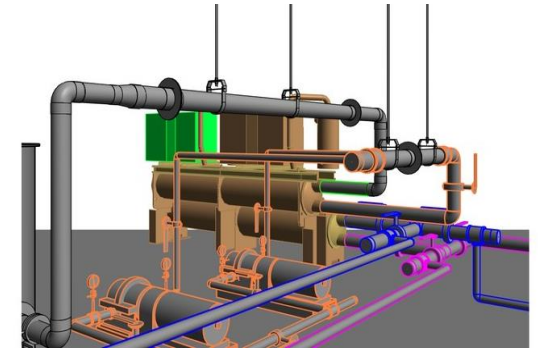
WE ARE LOOKING FOR ENTHUSIASTIC GRADUATES WILL YOU BE THE RIGHT ONE?

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DIPLOMA IN ELECTRICAL CONSTRUCTION ENGINEERING

MEP DRAFTING USING REVIT AND NAVISWORKS MANAGE

- Understanding the concepts, using the REVIT MEP user , interface, parts of the REVIT interface,
- Modifying the view, performing common tasks.
- Creating an MEP project, linking projects, creating and applying a view template,
- Modifying system settings, modifying general system options, specifying file locations, specifying spelling options, modifying
- Snap settings, creating a mechanical system.
- Preparing spaces, placing spaces, placing a space in an open area, placing a multi-level
- Space, viewing zones in the system browser, creating zones on a single level, creating zones on multiple levels, working with
- The analytical model, analyzing heating and cooling loads, creating a zone color scheme, creating an airflow schedule.
- Placing hosted air terminals, placing non-hosted air terminals, creating secondary
- Supply air systems, creating ductwork for secondary supply air systems, manually creating ductwork
- Adding mechanical equipment, creating a piping system, adding pipe using auto
- Layout, adding pipe using manual layout, adding valves, sizing pipe, inspecting the system, checking piping systems,
- Creating a mechanical system.
- Specifying electrical settings, defining required lighting, creating color fills and schedules.
- adding lighting fixtures using schedules and color fills, modifying the IES data of lighting

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- Fixtures, placing switches, junction boxes, and receptacles, creating lighting circuits with wire, creating lighting circuits
- Without wire, creating a switch system, creating power loads, balancing wire size and breaker service, creating a panel
- Schedule, checking your design, creating a electrical system.
- Configuring a plumbing and piping system
- Adding sanitary plumbing fixtures, creating a sanitary system, adding sinks to the sanitary
- System, refining the sanitary stack, creating the cold water system, creating the hot water system, creating a plumbing systems
- Specifying pipe settings, determining zone requirements, creating a sprinkler design Schedule.
- Adding sprinklers, creating a piping system, completing the fire protection wet system
- Adding vertical supply piping, modifying pipe diameters, documenting a project
- Duplicating plan views, creating dependent views, creating a plumbing isometric riser, creating callout views.
- Creating annotations, creating dimensions, creating a legend.
- Creating a model-based electrical riser diagram detail, creating detail wiring, creating a model-based
- Isometric detail, drafting detail components, importing and exporting a cad drawing

NAVISWORKS:

- NAVISWORKS files formats, opening and appending files in NAVISWORK, saving files, merging projects, refreshing and Deleting file, publishing files, navigation tools, selecting objects
- Hiding object, object properties, moving object, selection set, viewpoints, redline tools, recording animations, sectioning the Model, adding links, comparing models and switchback.
- Conducting a clash test, clash test rules, clash test results, clash test reports, import and export clash tests
- Walking, orbit, look, gravity, cube, view point, styles, background, sectioning.
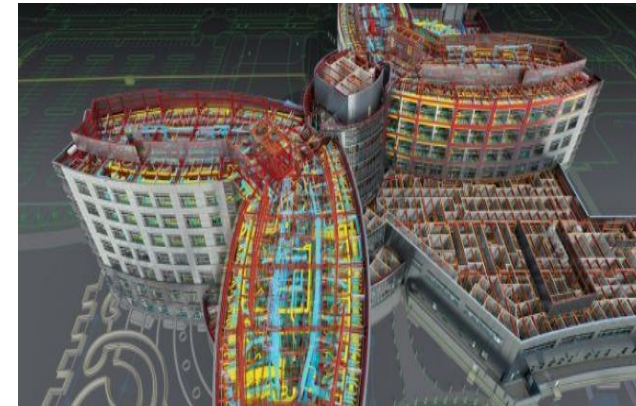
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