

# CAREER PATHWAY

# ARCHITECTURE DRAUGHTSMAN



## SKILLS TAUGHT IN ITI

- Draw plane geometry based requirements, orthographic projections, architectural symbols, and lettering
- Draw basic basic shapes using AutoCAD (computer-aided design software) Learn to use AutoCAD to prepare a plan, elevation drawing, single / double storied building in accordance with corporation bylaws.
- Make an ammonia print. Read and interpret a structural drawing. Prepare a site plan with landscape elements
- Draw 3D models using the SketchUp software
- Knowledge of a 3D model rendering software and ability to create 3D walkthroughs and animation views
- Prepare a drawing in Building Information Modeling (BIM) software like Autodesk Revit
- Knowledge of Photoshop Architectural Rendering to create and edit images



## SKILLS NEEDED BY COMPANY

- Prepare an Approval Building Drawing along with landscape elements using AutoCAD.
- Prepare a 3D Model and Billing of Quantity (BoQ) using BIM software (Autodesk Revit)
- Understanding about workplace safety and environmental regulations.

## JOB OPPORTUNITIES AFTER ITI

- Workshop Assistant in government and private ITIs
- Jobs in state government like Public Works Department (PWD), Chennai Metropolitan Development Authority (CMDA), Tamil Nadu Housing Board (TNHB), Tamil Nadu Town and Country Planning (TTCP), and Tamil Nadu Slum Clearance Board (TNSCB)
- Central government jobs in Railways, Indian Space Research Organization (ISRO), and Central Leather Research Institute (CLRI)
- Public sector undertakings
- Interior design and multinational companies
- Job opportunities in construction companies abroad

## CAREER PATHS



### ENTRY LEVEL

Trainee, Semi-skilled Architectural Draughtsman, Apprentice

### MIDLEVEL

Skilled Trainee, Architectural Draughtsman, Site Supervisor

### SENIOR LEVEL

Senior Architectural Draughtsman, Architect, Senior Site Supervisor, Self-Employed, Entrepreneur

## UPSKILLING OPPORTUNITIES

- Apprenticeship (NAC Certificate)
- Craft Instructor Training Scheme (CITS) to become an Instructor in an ITI.
- Diploma courses by lateral entry.

