

CAREER PATHWAY

ARCHITECTURAL DRAUGHTSMAN



SKILLS TAUGHT IN ITI

- Draw plane geometry based requirements, orthographic projections, architectural symbols, and lettering
- Draw basic shapes using AutoCAD (computer-aided design software) Learn to use AutoCAD to prepare a plan, elevation, section of single / double storeyed building in accordance with corporation by laws.
- 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 (Revit Architecture)
- 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

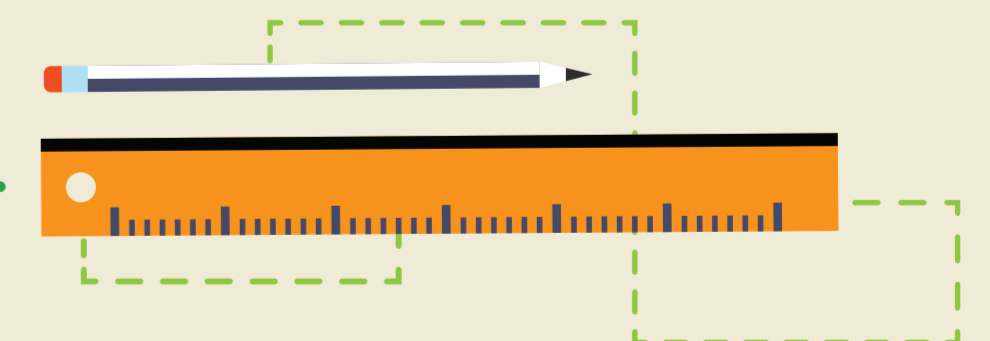
Skilled Trainee, Architectural Draughtsman, Site Supervisor

SENIOR LEVEL

Senior Architectural Draughtsman, Senior Site Supervisor, Self-Employment, Entrepreneur

UPSKILLING OPPORTUNITIES

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



DEPARTMENT OF EMPLOYMENT AND TRAINING