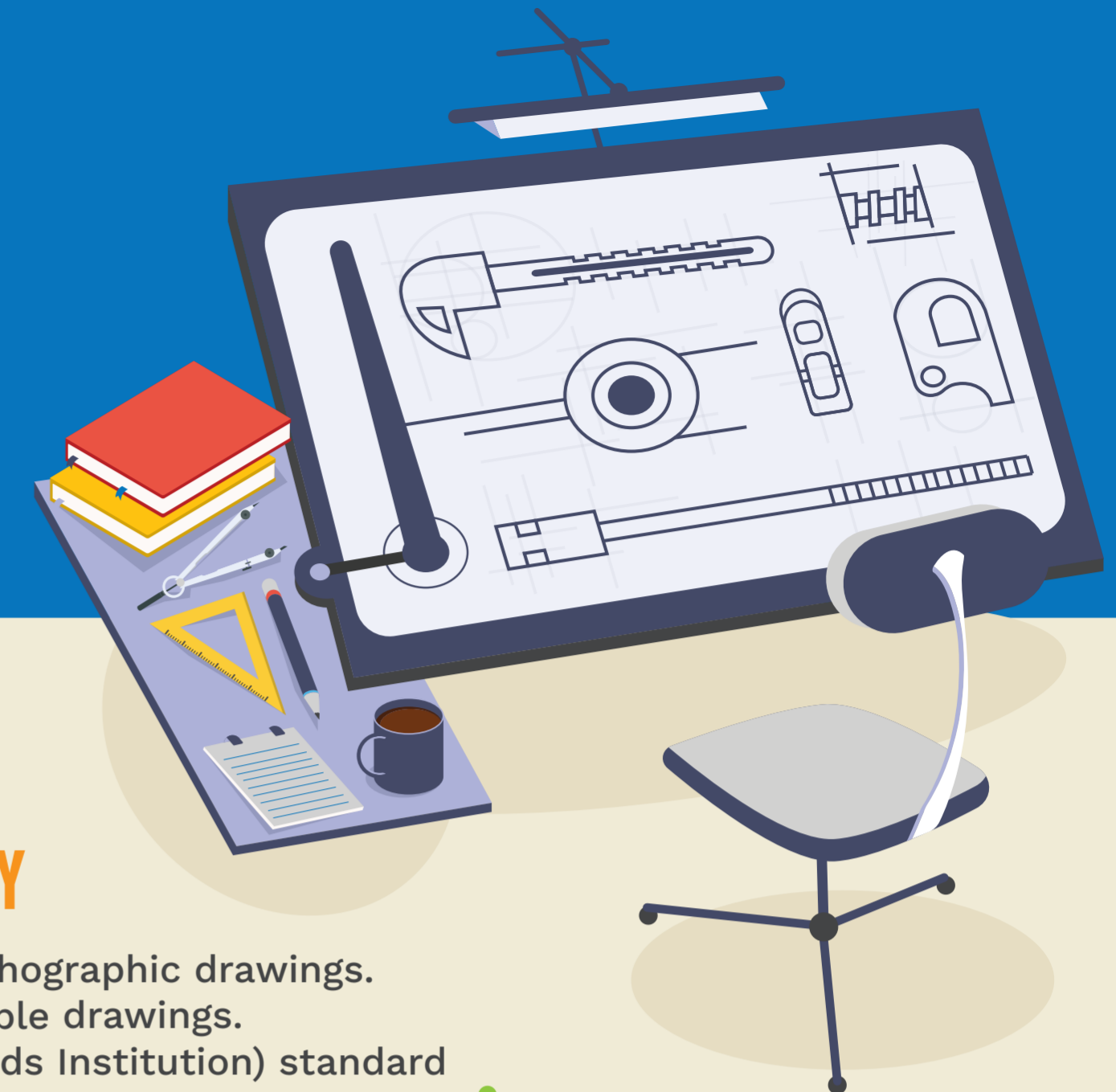


CAREER PATHWAY

DRAUGHTSMAN MECHANIC



SKILLS TAUGHT IN ITI

- Ability to handle all types of drawing instruments & equipments
- Draw scales, dimensions, and sectional views
- Screw threads, bolts, nuts, foundation bolts, and locking devices.
- Draw bearings, pulleys, keys and cotters, rivets, and riveted joints.
- Draw gears, cams, valves, pipe joints, and engine parts
- Basic knowledge of fitter, turner, machinist, welder, electrician, sheet metal works, and automobile trades. (As Allied Trade)
- Use measuring Instruments like micrometers, vernier calipers, and quality control instruments of gauges.
- Knowledge of MS Office
- Drawing in Auto CAD-2D (Computer aided design - 2D) & 3D, 3D modelling, and solid works software.

SKILL NEEDED BY COMPANY

- Convert isometric drawings to orthographic drawings.
- Convert detail drawings to assemble drawings.
- Knowledge of BSI (British Standards Institution) standard in all partial drawings
- Knowledge of MS Office
- Knowledge of AutoCAD – 2D & 3D
- Knowledge of 3D-modelling & solid works

JOB OPPORTUNITIES AFTER ITI

- Central Government: Atomic power projects, Railways, Defence Factories – Avadi & HVF (Heavy Vehicles Factory)
- State Government: Craft Instructors at ITIs.
- Private sectors: Automobile Industries, Sheet Metal – Fabrication Factories
- Foreign Opportunities: Pipeline Industries, Structural Consultants, Oil & Natural Gas pipelines.

UPSKILLING OPPORTUNITIES

- Apprenticeship training (NAC certificate)
- Crafts Instructor Training Scheme (CITS) to become a trainer in ITIs
- Diploma in Mechanical Engineering

CAREER PATHS

ENTRY LEVEL

Draughtsman CAD,
Trainee Apprenticeship Draughtsman

MIDLEVEL

CAD Draughtsman, CAD Designer,
Programmer, Team Leader

SENIOR LEVEL

Head Draughtsman, Design Supervisor,
Site Supervisor, Senior Draughtsman CAD

