

ITI PLUMBER (1 YEAR) Professional Syllabus

Duration: 1 Year (2 Semesters)

Course Type: Engineering Trade

Assessment: Theory, Practical, Internal Assessment and Viva-Voce

Sem	Code	Subject
I	ITP-101	Plumber Trade Theory - I
I	ITP-102	Plumber Trade Practical - I
I	ITP-103	Workshop Calculation & Science
I	ITP-104	Engineering Drawing
I	ITP-105	Employability Skills - I
II	ITP-201	Plumber Trade Theory - II
II	ITP-202	Plumber Trade Practical - II
II	ITP-203	Plumbing Installation & Maintenance
II	ITP-204	Sanitary Fittings & Drainage Systems
II	ITP-205	Employability Skills - II

Semester I - Major Topics

- Plumbing tools and safety
- Pipe cutting, threading and bending
- GI, PVC, CPVC and HDPE pipes
- Water supply systems and fittings

Semester II - Major Topics

- Sanitary installations
- Drainage systems
- Leak detection and maintenance
- Pump installation and project work

Learning Outcomes

Graduates can perform plumbing installation, maintenance, testing, repair, estimation and basic project execution for residential, commercial and industrial applications.