

Gurukul Educational And Research Institute



SHIKSHA SANKUL, SAHASTRADHARA ROAD, NEAR BY IT PARK,
DEHRADUN, UTTARAKHAND PIN CODE - 248013



Contact@geritharidwar.org

Diploma in Civil Draftsman



Duration

1 Year (12 Months)



Eligibility

10th / 12th Pass

Basic Mathematics Knowledge Preferred

Basic Computer Knowledge



Course Modules

Module 1: Introduction to Civil Engineering

Basics of Civil Engineering

Types of Construction Projects

Role of Civil Draftsman

Drawing Standards & Symbols

Module 2: Engineering Drawing

Lines, Angles & Projections

Scale & Dimensioning

Orthographic Projections

Isometric Drawing

Module 3: Building Construction

Foundation Types

Brickwork & Concrete

Roofing Systems

Doors & Windows Layout

Module 4: AutoCAD (2D Drafting)

Introduction to AutoCAD

- Drawing Tools
- Modify Tools
- Layers & Dimensioning
- Plotting & Printing

Module 5: Structural Drafting

- RCC Drawings
- Column & Beam Details
- Slab Reinforcement
- Footing Layout

Module 6: Building Plan Preparation

- Residential Building Plan
- Elevation & Section Drawing
- Plumbing Layout
- Electrical Layout

Module 7: Estimation & Costing (Basic)

- Quantity Take-off
- Material Estimation
- BOQ (Bill of Quantity)
- Rate Analysis Basics

Module 8: Site Knowledge & Safety

- Site Supervision Basics
- Construction Safety
- Quality Control Basics



Practical Training

- AutoCAD Lab Practice
- Residential Plan Drawing Project
- Structural Drafting Assignment
- Final Major Project Submission

Examination Pattern

- Theory – 100 Marks
- Practical – 150 Marks
- Project – 100 Marks
- Viva – 50 Marks

Career Opportunities

- Civil Draftsman
- AutoCAD Draftsman
- Site Supervisor
- Estimation Assistant
- Construction Office Assistant

Starting Salary: ₹15,000 – ₹30,000 per month
(Experience ke saath ₹40,000+)

