



OFFLINE COURSE

DGPS SURVEY TRAINING



A Complete Practical Training for DGPS Survey Professionals



Introduction to DGPS & Its Applications



DGPS Equipment & Components



Base & Rover Setup and Configuration



Satellite Constellation & Signal Tracking



Differential Corrections & Data Link



Field Surveying with DGPS



Data Processing & Post Processing



Data Export to AutoCAD & MS Excel



Practical Exercises & Real Time Projects



LEARN PRACTICAL SKILLS
Hands-on training with DGPS in real field conditions



Accurate Positioning



Improved Productivity



Industry Relevant Skills

Fees

₹12,500/-

Duration

15 Days



+91 97-111-555-85



reinforceqst.com



ISO 9001:2015 Training Certified



Actively Learning with Real Time Projects



Practical Learning Environment



Plot 3A, GF, Westend Marg, Lane 2, Near Saket Metro Station Gate No. 2, New Delhi 110030

About us

Reinforce Civiltech Private Limited is an ISO-certified training institute **established in 2016**, dedicated to providing practical and industry-oriented training in the field of construction and civil engineering. Our programs are designed to bridge the gap between academic learning and real-world industry requirements through hands-on training and expert guidance.

Over the years, we have trained and empowered **more than 1 lakh** students and professionals, many of whom are now working with reputed companies across India. We have also provided corporate training to leading companies such as **Patel Engineering, DLF , and Larsen & Toubro (L&T)** , along with conducting **100+ seminars and 500+ workshops** across colleges and construction organizations nationwide.

Vision

Our vision is to empower civil engineering students and working professionals with **practical knowledge and hands-on industry experience**. We aim to deliver training as per industry standards and requirements, helping trainees enhance their skills, improve employability, and secure rewarding career opportunities.

With more than **10 years of experience**, **Reinforce Civiltech Private Limited** has established itself as a trusted training provider in the civil engineering sector, supported by a team of experienced trainers and industry experts.

Training Glimpses

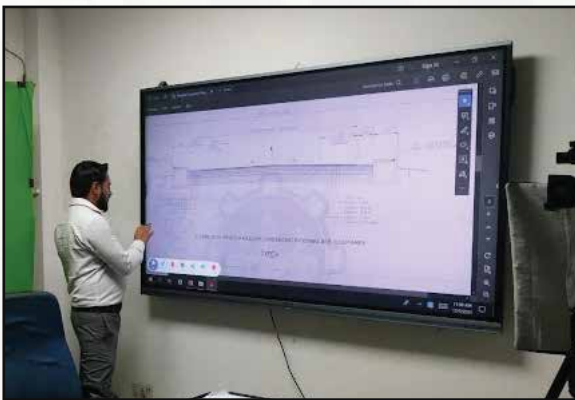


Training Process

This is our tried and tested training process method that helps to provide you with noticeable improvements in efficiency and communication among employees with the practical skills as per construction demand.



On-site Training



In-Class Training



Assessment & Certification

Professional Training Course

Master the most in-demand skill of Construction Industry, Engineering & Architecture and boost your career

Get trained from Industry Experts worked at



Training Module

DGPS (Differential Global Positioning System)

- 1.Introduction of DGPS instrument
- 2.Main part of DGPS instrument and Accessories
- 3.Diffrence between GPS and DGPS instrument
- 4.How to work Dgps instrument step by step process
- 5.Types of GNSS
- 6.instrument handling details
- 7.Surveying coordinate system
- 8.What is UTM? UTM Zone of india
- 9.Different types of DGPS survey
10. Introduction of Static Survey
 - What is Static Survey?
 - Purpose of Static Survey
 - When We Use Static Survey



Training Module

DGPS (Differential Global Positioning System)

11. Control Point Establishment

- Known Point & Unknown Point
- Benchmark & Control Point
- Selection of Base Location

12. Field Procedure

- Base Setup
- Rover Setup
- Observation Time
- Session Planning
- Data Recording

13. Multi-Day Static Survey

- Continuing Survey Next Day
- Using Same Base Point
- Recording New Sessions
- Precautions

14. Practical Work

- Creating Control Points
- Long Duration Observation
- Real Site Practice



Training Module

DGPS (Differential Global Positioning System)

15. Introduction of RTK Survey

- What is RTK?
- Difference Between RTK & Static Survey
- Applications of RTK

16. RTK Setup

- Base Station Setup
- Rover Configuration
- Radio Connection
- NTRIP Connection

17. RTK Field Work

- Point Survey
- Topographic Survey
- Stake Out
- Road Alignment Survey
- Boundary Survey
- Contour survey

18. Accuracy Checking

- Check Shot
- Point Verification
- Re-Observation



Training Module

DGPS (Differential Global Positioning System)

- 19. DGPS software introduction
- 20. DGPS data download processing
- 21. Static survey data processing
- 22. RTK survey data processing
- 23. Survey Data import and export in DGPS instrument
- 24. Data file convert into CSV, dwg, dxf
- 25. Common DGPS error and problem solving
- 26. Field Practical Activities
 - Base Setup Practice
 - Rover Operation
 - Static Observation
 - RTK Survey
 - Topographic Survey
 - Stakeout Practice
 - Road Survey
 - Coordinate Transfer
 - Control Point Creation
 - All cogo function



Why Learn Land Surveying?



**High
Demand
Skill**



**On-Site
Learning**



**Used in
Various
Projects**



**Opportunities
in India
& Abroad**



**Learn
Modern
instruments**



**Improve
Technical
Knowledge**



**Better
Salary
Growth**



**For both
Fresher &
Professionals**

Career Scope After Training

You can Become:

Land
Surveyor

Site Survey
Engineer

Highway
Surveyor

Bridge Survey
Engineer

Layout
Engineer

Infrastructure
Survey Technician

Opportunities available in Infrastructure, Highway, Bridge, Metro, Building & Industrial Projects.

Industries Where Surveyors Work



**Building
Construction
Projects**

**Highway &
Expressway
Projects**



**Railway,
Metro & Bridge
Projects**

**Mining &
Infrastructure
Projects**



Who Can Join This Training



**10th, 12th
Students**



**ITI/ Diploma
/ B-Tech
Students**



**Civil
Engineering
Students**



**Working
Professionals**

Countries with High Demand



Australia



Canada



New Zealand



United Arab Emirates



Saudi Arabia



United States



Germany



Qatar



Singapore



Oman



Kuwait



Norway



Sweden



South Africa

Features of the Program

- Practical Site Oriented Training
- Live Instrument Handling
- Real Project Based Learning
- Industry Experienced Trainers
- AutoCAD & Excel Included
- Weekly Practical Sessions
- ISO Authorized Certification
- Interview Preparation Support
- Job Assistance