

STCC-06-24/25 (SETGOI)

## About Experts

### Dr. Arya Das

Ph.D. - Geotechnical Engineering [IIEST]

Over 8 years of experience in soil investigations and surveying.

### Mr. Soumen Layek

M. Tech. - Geotechnical Engineering

Over 6 years of experience in building construction and field survey.

## Who Can Apply

ITI, DIPLOMA, B. TECH, LAB TA

Reg. Fee: 200/- Only

For More Information

Programme Coordinator

Mr. Minal Hasan

Ph. No.- 7872035830

E-Mail ID: [mnh.setgoi@gmail.com](mailto:mnh.setgoi@gmail.com)

## COURSE HIGHLIGHT

- Join our 5-day specialized course designed to explore essential and advanced concepts in Surveying.
- Course delivery by expert with rich experience in the field of Survey and construction.
- Hands-on experience with design and lab experiment.
- Field visit and interaction with field expert.
- **Certificate** on successful completion.

Click On the Link for Registration

**Reg. Link**

<https://forms.gle/b9zmJAvxGmMGt6ys8>

OR

**SCAN THE QR CODE**



<https://icampus.setgoi.ac.in/>



**SANAKA  
EDUCATIONAL  
TRUST'S GROUP OF  
INSTITUTIONS**

NBA ACCREDITED FOR ACADEMIC YEAR 2024-25 TO 2026-27

*Short Term*

**CERTIFICATE**

**COURSE**

**PRECISION IN PRACTICE**

**Field-Based Training for  
Effective Surveying  
Techniques**

**ORGANIZED BY**

**DEPARTMENT OF CIVIL ENGINEERING**

Sanaka Educational Trust's Group of Institutions

Malandighi, Durgapur, 713212

E-Mail: [hod.ce@setgoi.com](mailto:hod.ce@setgoi.com)

## DAY-1

### Introduction to Surveying and Chain Survey

#### Morning Session (Theory)

- Overview of surveying techniques and their importance in civil engineering.
- Introduction to chain surveying: principles, methods, and applications.
- Understanding the equipment used in chain surveys.

#### Afternoon Session (Practical)

- Hands-on training: Conducting a chain survey in the field.
- Recording measurements and plotting the survey data.

## DAY-2

### Dumpy Level Surveying

#### Morning Session (Theory)

- Introduction to levelling: importance and types of levels.
- Detailed explanation of the dumpy level: setup, calibration, and uses.
- Error sources and correction methods in levelling.

#### Afternoon Session (Practical)

- Fieldwork: Setting up and using the dumpy level for a levelling survey.
- Conducting a levelling survey and recording data accurately.
- Data analysis and reduction for practical applications.



## DAY-3

### Theodolite Surveying

#### Morning Session (Theory)

- Introduction to theodolite: parts, functions, and applications.
- Techniques for horizontal and vertical angle measurements.

#### Afternoon Session (Practical)

- Field practice: Setting up and using the theodolite for surveying.

## DAY-4

### Plane Table Surveying

#### Morning Session (Theory)

- Introduction to plane table surveying: principles and applications.
- Techniques for setting up and orienting the plane table.

#### Afternoon Session (Practical):

- Fieldwork: Conducting a plane table survey.
- Techniques for ensuring accuracy in plane table surveys.

## DAY-5

### Integrating Surveying Techniques

#### Morning Session (Theory)

- Integrating different surveying techniques for comprehensive surveys.
- Application of combined techniques in large-scale projects.
- Importance of precision and consistency in field surveys.

#### Afternoon Session

- Valedictory Session and Participant Feedback.

### FOR MORE DETAILS



**Reg. Link**

<https://forms.gle/b9zmJAvxGmMGt6ys8>

### PROGRAMME COORDINATOR

**Mr. Minal Hasan**

Ph. No.- 7872035830

Department of Civil Engineering

E-Mail ID: [mnh.setgoi@gmail.com](mailto:mnh.setgoi@gmail.com)