

STCC-05-24/25 (SETGOI)

About Experts

Dr. Snigdhadip Ghosh

Ph.D.- Water Resources Engineering [NIT]

Over 11 years of experience in the field of agriculture and water resources with QGIS, SPSS, STATA, Surface Flow Tracker proficiency.

Mr. Minal Hasan

M. Tech- Water Resources Engineering [IEST, Shibpur]

Over 4 years of experience in canal design and construction with application of Remote Sensing and GIS.

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

COURSE HIGHLIGHT

- A focused 5-day program covering key fundamental and advanced topics in Hydraulic Structures and Water Resources Engineering Lab.
- Course delivery by expert with rich experience in the field of hydraulic structure design and construction.
- Hands-on experience with design and lab experiment.
- Field visit and interaction with field expert.
- **Certificate** on successful completion.

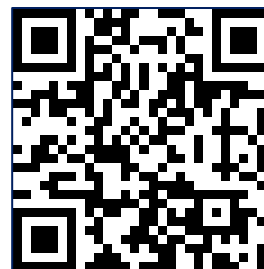
Click On the Link for Registration

Reg. Link

<https://forms.gle/J71Hz5iFTFFVW2Kt5>

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

“Aqua-Tech”
Innovating Water Resources
Through Practical Lab
Training

ORGANIZED BY

DEPARTMENT OF CIVIL ENGINEERING

Sanaka Educational Trust's Group of Institutions

Malandighi, Durgapur, 713212

E-Mail: hod.ce@setgoi.com

DAY-1

Introduction to Water Resources Engineering

Morning Session (Theory)

- Overview of Water Resources Engineering and its significance.
- Industry requirements in water management, focusing on real-world applications.
- Demonstration of sunshine duration measurement.

Afternoon Session (Practical)

- Hands-on session: Measurement of Sunshine hour, using sunshine recorder.

DAY-2

Rainfall Measurement Techniques

Morning Session (Theory)

- Importance of rainfall data in water resources engineering.
- Types of rain gauges and their applications.
- How rainfall data influences flood modelling and water resource planning in industry.

Afternoon Session (Practical)

- Installation of siphon rain gauges.
- Real-time data recording and analysis.



DAY-3

Soil Infiltration and Water Absorption

Morning Session (Theory)

- Importance of infiltration in groundwater recharge and flood control.
- Theory behind different infiltration measurement techniques.
- Industry relevance of accurate infiltration data & Practical application in industry scenarios like irrigation planning.

Afternoon Session (Practical)

- Double Ring Infiltrometer, Setup and operation of the double ring infiltrometer.
- Data collection and analysis of soil infiltration rates.

DAY-4

Evaporation Measurement Techniques

Morning Session (Theory)

- Explore evaporation's role in the hydrological cycle and its measurement techniques for water resource management

Afternoon Session (Practical)

- Setup and usage of Pan Evaporimeter.
- Data recording and interpretation.

DAY-5

Ground water recharge and water Harvesting Techniques

Morning Session (Theory)

- Ground water recharge Techniques.
- Rainwater Harvesting Techniques and application.

Afternoon Session

- Valedictory Session and Participant Feedback.

FOR MORE DETAILS



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PROGRAMME COORDINATOR

Mr. Minal Hasan

Ph. No.- 7872035830

Department of Civil Engineering

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