

STCC-03-24/25 (SETGOI)

About Experts

Dr. Sukanta Karati

Ph.D.- Transportation Engineering [IEST, Shibpur]

Over 7 years of experience in the field of pavement design and construction and 3 years of academic experience.

Mr. Minal Hasan

M. Tech- [IEST, Shibpur]

Over 6 Years of field experience in road constructions and canal design.

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

- Join our 5-day specialized course, designed to cover essential and advanced concepts in Transportation Engineering
- Course delivery by expert with rich experience in the field of pavement 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/6UcCW5KWbLzxegsA9>

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

**“Integrating Lab Skills
with Field Practices in
Transportation
Engineering”**

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 Transportation Materials

Morning Session (Theory)

- Overview of transportation engineering materials.
- Introduction to the significance of material testing in transportation infrastructure.
- Understanding different types of aggregates and their roles in pavement construction.

Afternoon Session (Practical)

- Aggregate Crushing Value Test
- Aggregate Impact Value Test
- Aggregate Abrasion Test

DAY-2

Bitumen Testing and Properties

Morning Session (Theory)

- Detailed discussion on bitumen properties and its significance in road construction.
- Introduction to various bitumen testing methods

Afternoon Session (Practical)

- Penetration Test of Bitumen, Ductility Test of Bitumen, Softening Point Test of Bitumen.
- Viscosity test of Bitumen.



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DAY-3

Marshall Stability Test

Morning Session (Theory)

- Fundamentals of asphalt mix design.
- Understanding the importance of proper mix design in pavement performance.

Afternoon Session (Practical)

- Marshall Stability Test: Preparation, testing, and analysis of results.
- Determining Optimum Binder Content using Marshall Mix Design Method.

DAY-4

Pavement Design and Evaluation

Morning Session (Theory)

- Introduction to pavement design principles.
- Discussing various methods of pavement evaluation and maintenance.

Afternoon Session (Practical):

- Benkelman Beam Test for pavement deflection.

DAY-5

Advanced Testing and Application

Morning Session (Theory)

- Advanced topics in transportation material testing.
- Case studies on the impact of material testing on pavement longevity.

Afternoon Session

- Valedictory Session and Participant Feedback.

FOR MORE DETAILS



Reg. Link

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PROGRAMME COORDINATOR

Mr. Minal Hasan

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Department of Civil Engineering

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