



# IIEST SHIBPUR

INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY, SHIBPUR

भारतीय अभियांत्रिकी विज्ञान एवं प्रौद्योगिकी संस्थान, शिवपुर

**PERIODICAL SENSITIZATION PROGRAMME  
TO IMPART MODERN TECHNICAL KNOWLEDGE  
AMONGST THE TECHNICAL OFFICIALS OF  
HOUSING DEPARTMENT, GOVERNMENT OF WEST BENGAL**

**SPONSORED BY  
HOUSING DEPARTMENT  
GOVERNMENT OF WEST BENGAL**



organized by  
**Department of Civil Engineering  
IIEST, SHIBPUR**

Programme Coordinator: **Prof. Subrata Chakraborty**

Joint Coordinators: **Prof. Saptarshi Kundu & Prof. Deep Roy**

**Programme Dates: 13 - 14 December, 2024**



## About IESTS

IEST, Shibpur (Erstwhile "Bengal Engineering College") is the first institute to receive the status of Indian Institute of Engineering Science and Technology (IEST) in 2014. The Institute has a rich history and has been empowering the nation since 1856. Considering the year of establishment, it is the 3<sup>rd</sup> engineering college in India, and considering the year of graduation, the 2<sup>nd</sup> oldest. It has over 16 academic departments, specialized Centers and Schools with 250 faculty members and a student strength of over 4000. The 114-acre campus is located just across the bustling metropolis of Kolkata, and offers amazing urban life. IEST, Shibpur is committed to provide an enriching environment that fosters innovation, critical thinking and the pursuit of knowledge. The success story of alumni, who have distinguished in various sectors globally, stands as a testament to the quality of education. The faculty, known for their teaching and research excellence, are dedicated to mentoring the next generation of engineers and technologists, and actively engage in collaborative projects with industry, R&D sectors.







## Course Contents

01

Repair and  
rehabilitation of  
old existing  
building

02

Non-destructive  
testing

03

Building  
construction  
management and  
quality control

04

Cost estimate

05

Green building  
technology

06

Rain water  
harvesting





## Schedule

### 13<sup>th</sup> December

09:00 AM Registration & Breakfast

09:30 AM	Inauguration	Prof. V.M.S.R. Murthy	Director IEST Shibpur
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10:20 AM Tea

10:30 AM	Overview of repair and retrofitting of buildings	Prof. Subrata Chakraborty	Professor, Dept. of Civil Engg.
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12:00 PM	Repair and retrofitting of RC building	Prof. Arun Kumar Chakraborty	Associate Professor, Dept. of Civil Engg.
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01:30 PM Lunch

02:30 PM	Cost estimate of buildings	Prof. Saptarshi Kundu	Assistant Professor, Dept. of Civil Engg.
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04:00 PM Tea

04:15 PM	Repair and retrofitting of masonry building	Prof. Arun Kumar Chakraborty	Associate Professor, Dept. of Civil Engg.
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### 14<sup>th</sup> December

09:30 AM Breakfast

10:00 AM	Green building technology	Prof. Subrata Paul	Associate Professor, Dept. of Architecture.
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11:30 AM Tea

11:45 AM	Building construction management and quality control	Prof. Soumya Bhattacharjya	Associate Professor, Dept. of Civil Engg.
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01:15 PM Lunch

02:15 PM	Rain water harvesting	Prof. Ujjwal Saha	Assistant Professor, Dept. of Civil Engg.
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03:45 PM	Non-destructive testing of structures	Prof. Subrata Chakraborty	Professor, Dept. of Civil Engg.
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05:15 PM Tea

05:30 PM Valedictory Function