

## Resource Persons



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Hydrology and  
Water Resources Engg



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**PROF. SUJATA BISWAS**  
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Expert in the field of Hydroclimatic  
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**PROF. UJWAL SAHA**  
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Resources Engg and Remote  
Sensing



**PROF. DEEP ROY**  
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Water Resources Engg,  
Computational Fluid Dynamics and  
Machine Learning

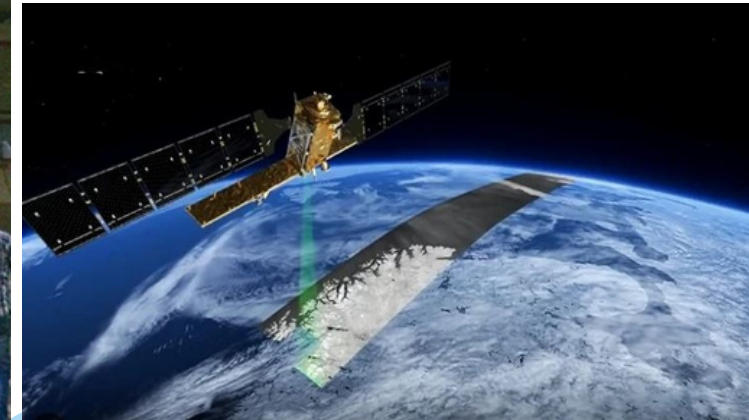


### About IEST, Shibpur

The second oldest Engineering college of the country "Indian Institute of Engineering Science and Technology, Shibpur" owes its origin to the erstwhile "Bengal Engineering College". The Institute has a rich history. It is empowering the nation since 1856 as Civil Engineering College. Presently, it has 16 departments and 8 schools. Civil Engineering is the flagship department of this Institute and has a glorious national tradition. The contribution of this department has been manifested in the development of Civil Engineering globally.

## 5 Day Faculty Development Programme on

# APPLICATION OF STATISTICAL AND GEOSPATIAL TOOLS IN HYDROLOGY AND HYDROCLIMATOLOGY



### ORGANIZED BY

**DEPARTMENT OF CIVIL  
ENGINEERING,  
IEST, SHIBPUR**



**6th - 10th July, 2026**

**Venue: Seminar Hall, Civil Engg  
Department, IEST, Shibpur**

## Overview

Climate change has emerged as a major national issue and a serious environmental concern across the country. Rising temperatures, erratic monsoon patterns, and an increase in extreme weather events such as floods and droughts are significantly affecting agriculture, water security, and public health. The relationship between climatic variability and hydrologic variability has given rise to a new field known as hydroclimatology which focuses on the linkage between climate and hydrologic cycle. Due to randomness and spatial variability of the hydrologic and climatic variables, application of statistical methods and geospatial tools has become indispensable in the area of hydrology and hydroclimatology. The proposed FDP aims to equip participants with comprehensive knowledge of statistical methods and geospatial tools used in the analysis of hydrologic extremes under present conditions as well as projected future climatic scenarios.

## Session themes

- Statistical tools in Hydrology and Hydroclimatology
- Hydro-climatic extremes
- Time series forecasting
- Prediction studies using ML techniques
- Flood Inundation modeling and Risk mapping
- Application of Geospatial tools in hydrology
- Applications of Synthetic Aperture Radar data in hydrology

## Registration Fees

- Research Scholar/Students: 1000/-
- Faculty Members/Scientists: 4000/-
- Industry Participants: 6000/-

## How to apply

The interested candidates can register for the FDP through the following link:

[Click here to Register](#)

Only after receiving the filled up application forms from the participants confirmation of participation will be intimated through e-mail. Registration kits, working lunch and tea will be provided to all the registered delegates

## Bank A/c details:

A/c Name: Continuing Education Centre BESUS

Bank Name: Punjab National Bank

A/c Number: 1532010011963,

Branch: BESUS

IFSC: PUNB0153220

MICR: 700024396

Branch Code: 153220

UPI ID: 9432104410m@pnb



Scan & Pay

## Important Details and Dates

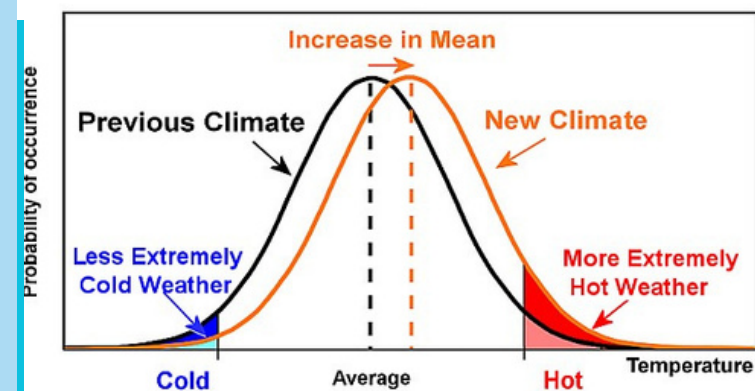
Maximum number of seats : 25

Opening of registration : 10th May, 2026

Closing of registration : 30th June 2026

Intimation of selected candidates : 2nd July 2026

Final list of participants : 3rd July 2026



## For any queries please contact:

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