



GOVERNMENT OF INDIA
Ministry of Jal Shakti

**A TRAINING
COURSE ON**

HYDROLOGY OF UNGAUGED BASINS

7 – 11 SEPTEMBER 2026

Reg. Link : <https://forms.gle/snHnuZGzqj1Shzi5A>

Organized by

National Institute of Hydrology (NIH)

Roorkee 247667, Uttarakhand, India



ABOUT THE COURSE

Data scarcity in ungauged basins compromises water resource management. This course empowers hydrologists to effectively model, analyze, and predict processes in ungauged regions.



The National Institute of Hydrology (NIH), established in 1978, is a premier R&D organization under the Department of Water Resources, River Development & Ganga Rejuvenation, Ministry of Jal Shakti, Government of India. Headquartered in Roorkee, NIH is an ISO 9001:2015 certified institute, declared a Scientific and Technological (S&T) organization in 1987. NIH undertakes, aids, promotes and coordinates systematic and scientific work in all aspects of hydrology, and has seven regional centers at Bhopal, Belgaum, Guwahati, Jammu, Jodhpur, Kakinada, and Patna.

COURSE CONTENT

- Open Data Sources
- SCS-CN Methodology
- SUH/GIUH Approaches
- Design Flood Estimation
- Probability Distributions
- At-site & Regional Flood Frequency Analysis
- Non-stationary Flood Frequency Analysis
- Regional Flow Duration Curves
- Regionalization Methods
- Flood Routing
- Confidence Intervals & Uncertainty
- Risk & Reliability in Floods
- Sediment Yield Modelling
- Reservoir Sedimentation
- Google Earth Engine (GEE) Applications
- SWAT/SWAT-CUP & HEC-HMS Models

FEE PAYMENT TO

A/c Name: NIH PROJECT

A/c No.: 4044 0001 0017 4852

Bank: PNB, IIT Roorkee

IFSC: PUNB0404400 MICR: 247024103

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FEE INCLUDES

- Registration Kit
- Breakfast
- Working Lunch
- Session Tea
- Certificate

FOR

Officials, Field Engineers, Faculty Members and Postgraduate (Master's/Ph.D) Students of Hydrology & allied disciplines.

- Registration closes on 31 August 2026.
- Participants must bring their own laptops.
- Sponsoring organizations must cover travel, accommodation, and related expenses.
- Seats are limited and distributed on a first-come, first-served basis.
- Paid accommodation is available at NIH's Sindhu Guest House.
- Registration fees cannot be refunded.



SCAN & PAY

**FEES
FOR STUDENTS
₹ 9,000/-
FOR OTHERS
₹11,000/-**

COURSE CONVENOR

Dr. A. R. Senthil Kumar
Scientist 'G' & Head (WRSD)

COURSE DIRECTOR

Dr. Y.R.S. Rao
Director, NIH Roorkee