



जल शक्ति मंत्रालय
MINISTRY OF
JAL SHAKTI

National Institute of Hydrology, Roorkee

DoWR, RD & GR, MoJS, Govt. of India



Training on

Advanced Geospatial Tools for Irrigation Management and Water Accounting

30 Nov – 04 Dec 2026

VENUE: NIH, Roorkee

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

Course Convenor
Dr. A.R. Senthil Kumar
Head, WRSD, NIH

Course Convenor
Dr. P.C. Nayak
Head, SWHD, NIH

This five-day programme introduces participants to a complete toolkit of software & data for modern irrigation management - from satellite and SAR data access, to command area mapping, crop and evapotranspiration mapping, water accounting, and benchmarking the performance of canal systems.

Every session is lab-based and hands-on, built around one real command area and a day in the field. Participants will work with Indian and global datasets and open tools that they can continue to use in their own departments and practice.

Registration

Course Fee (INR)

Students: 9000/-

Working Professionals: 14,000/-



Register

<https://forms.gle/nrc7TcTxyeGltcsx6>

The registration is open till
15th Nov 2026

COURSE COORDINATORS

Er. Sukant Jain
Scientist-C
NIH, Roorkee
sukant.nihr@gov.in
Contact: 01332-249213



Dr. Harsh Upadhyay
Scientist-B
NIH, Roorkee
harshup.nihr@gov.in
Contact: 01332-249400



ABOUT NIH



NIH is a premier research and development organisation in the area of hydrology and water resources in India. The Institute was established in 1978, as an autonomous society under the Department of Water Resources, River Development & Ganga Rejuvenation, Ministry of Jal Shakti, Government of India, with its headquarters at Roorkee. NIH is an ISO 9001:2015 Certified organization.

COURSE CONTENT

Free & Open-Source Tools & Data

ET: SEBAL/WaPOR

Crop Water Requirement

Water/Land Productivity

Water Accounting/Auditing

Canal Water Percolation

Irrigation Benchmarking

Thermal & Microwave Remote Sensing

Cloud Native Geo Processing

Ground Truthing

Account Name: NIH PROJECT

Account No.: 4044 0001 0017 4852 Branch: IIT Roorkee

Bank: Punjab National Bank (PNB) IFSC Code: PUNB0404400

IMPORTANT NOTE

- Seats are limited, allotted on a first-come, first-served basis on receipt of the registration fee and registration form.
- Participants must bring their own laptops for the hands-on exercises.
- Accommodation on a sharing basis at the NIH Guest House may be arranged on payment, subject to room availability.
- Training Fee includes
 - ☐ Tuition fee
 - ☐ Training kit
 - ☐ Working lunch and session tea

Payment Details

Registration fee to be paid in advance by bank transfer.

MERCHANT: NIH PROJECT

SCAN & PAY



UPI ID: 8057125144m@pnb