

*Better the Model response
Greater the Water Management*



Workshop on Applications of Machine Learning Models in Water Resources Management

25 February 2023

Contact Us:

Mr. Vijayalakshmanan S
WRDM, IIT Roorkee
Email: vijaya.ce@src.iitr.ac.in

Registration Fee:

For IWRS Members - Rs. 500
For Non – IWRS Members - Rs. 1000

Workshop Mode: Online and Offline

Payment Mode

Beneficiary Name: Indian Water Resources Society
Bank Account No.: SB/AC 10660279735
Bank & Branch Name: SBI, IIT Roorkee
IFSC Code: SBIN 0001069

For Registration

Scan the QR Code



Link: bit.ly/3DJ37G7



Organized by

Indian Water Resources Society
Department of Water Resources Development and Management
Indian Institute of Technology Roorkee, Roorkee– 247 667

About the workshop:

The workshop is organized and supported under the Aegis of the Indian Water Resources Society. It aims to impart knowledge on the basics of machine learning tools and their applications in water resources management. The workshop will cover theoretical concepts, basic coding in MATLAB, and hands-on practical sessions using real-world data.

Course Coordinators:

Prof. Kasiviswanathan KS

Prof. Deepak Khare

Prof. Basant Yadav

Department of Water Resources Development and Management, IIT Roorkee

Course Content:

The workshop will cover the following topics:

- Introduction to AI and ML models
- Demonstration of simulation models
- Overview of ML models
- Steps in developing ANN models
- Model calibration-validation
- Hands-on Session: Developing ANN models for real case studies

Important Dates:

Application Opens	: 15 February 2023
Last Date of Application	: 20 February 2023
Shortlisting of Candidates	: 22 February 2023
Workshop Date	: 25 February 2023

Organizing Committee

Prof. Ashish Pandey

Executive Vice-President (HQ), IWRS

Professor & Head

Department of Water Resources Development and Management, IIT Roorkee

Prof. Basant Yadav

Secretary, IWRS

Department of Water Resources Development and Management, IIT Roorkee

Prof. Kasiviswanathan KS

Treasurer, IWRS

Department of Water Resources Development and Management, IIT Roorkee

Who can attend?

- Applicants pursuing Undergraduate, Postgraduate, or Ph.D. degrees in the disciplines of Water Resources, Climate Change, Agriculture, Disaster Management, and allied fields from Indian institutes/ Colleges/ Universities can apply.
- Recently graduated (within the last two years) UG or PG Students are also eligible.
- Limited number of seats are available and the selection will be first come first serve basis
- Your participation will be confirmed upon paying the registration fee
- More details will be shared through separate email to the registered candidates.
- Certificates will be issued to both offline and online participants (E-Certificate).

How to reach IIT Roorkee

Roorkee is well connected to Delhi and Dehradun by rail and road. The nearest airport is located at Jollygrant, Dehradun. However, New Delhi is the preferred airport.

IIT Roorkee

Indian Institute of Technology Roorkee is the successor of the University of Roorkee. Thus, it is the oldest technical institution in the country, established as the Roorkee College of Engineering in 1847 and rechristened as Thomson College of Civil Engineering in 1857. It was elevated to the first Technical University of Independent India on November 25, 1949. In 2001, it was declared as the institute of national importance and converted into the Indian Institute of Technology Roorkee (IITR) on September 21, 2001.

Department of Water Resources Development and Management

The department was established in 1955 as an Asian African Centre to honor India's commitment at the Asian African Conference held in Bandung, Indonesia. Since its inception, the Department of Water Resources Development & Management, IIT Roorkee, has played a pioneering role in actively imparting knowledge and practical training on management of water resources to the students and in-service personnel from multiple engineering backgrounds.

Indian Water Resources Society

Indian Water Resources Society (IWRS) was founded in 1980 as a society registered under the Societies Registration Act. IWRS Registered office is located in the Water Resources Development Training Center, I.I.T. Roorkee. IWRS aims at advancement of knowledge in technical and policy aspects of water resources development and management.

