



A High-end Workshop on

## Advanced Data-driven and Artificial Intelligence Tools in Water Resources

### (AI4Water)

Under KARYASHALA – SERB  
Accelerate Vigyan

**20 – 26 August 2023**

### Organized by

Department of Hydrology,  
Indian Institute of Technology Roorkee,  
Roorkee 247667, Uttarakhand, India

### Funded by

Science and Engineering Research Board  
(SERB),  
Department of Science and Technology,  
Government of India



### About the workshop:

AI4Water is a comprehensive training program that provides participants with a deep understanding of the latest data-driven and artificial intelligence techniques and tools in the field of water resources. The program will be led by experienced water resources experts. Participants in the AI4Water workshop will have the opportunity to network with other professionals in the field of water resources, sharing experiences, and best practices.

### Course contents:

Applications of data-driven and artificial intelligence tools in:

- Rainfall-runoff modeling
- Flood risk mapping
- Drought assessment & monitoring
- Groundwater modeling
- Optimal irrigation & crop yield prediction

### Who can attend?

- Applicants pursuing Postgraduate (PG) or PhD degrees in the discipline of Water Resources, Hydrology, Climate Change, Agriculture, Disaster Management & allied fields from Indian Institutes/Colleges/Universities can apply.
- Total number of **seats are limited to 25**.
- There is **no registration fee**.
- A departmental committee will review the applications and shortlisted candidates will be informed through email.

### For more details:

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### How to apply?

Submit your details in the online form provided at the below link or scan the QR:  
<https://forms.gle/8aqSYeKMueMQGRQq8>



### Important Dates:

- Application opens: **16 June 2023**
- Last date of application: **28 June 2023**
- Shortlisting of candidates: **30 June 2023**
- Workshop dates: **20-26 August 2023**

### How to reach IIT Roorkee:

Roorkee is well connected to all the major cities in the region by road and rails. There are frequent bus services to this place from the Maharana Pratap Inter State Bus Terminal (Kashmere Gate) Delhi.

For more details:

<https://iitr.ac.in/Institute/How%20To%20Reach%20IIT%20Roorkee.html>

### Weblinks:

Indian Institute of Technology Roorkee:

<https://www.iitr.ac.in/>

Department of Hydrology, IIT Roorkee:

<https://iitr.ac.in/Departments/Hydrology%20Department/Home.html>

### Workshop Coordinators:

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