

# IAHR India Young Professionals Network

## Our vision and mission

**IAHR India YPN aims** to build a strong and collaborative network of young professionals and students in hydro-environmental engineering. Our vision is to create a platform for learning, knowledge sharing, and innovation to address India's water challenges through research and practical solutions. **Our mission** is to connect young professionals, researchers, and industry experts to exchange ideas, collaborate on projects, and contribute to sustainable water management. We aim to:

- Promote knowledge sharing and research collaboration.
- Organize events, workshops, and training sessions for skill development.
- Encourage participation in global discussions on water and environment.
- Strengthen links between academia, industry, and policymakers.
- Support young professionals in career growth and leadership.

By strengthening the synergy between scientific research, technological innovation, and policy implementation, IAHR India YPN aims to contribute to a more sustainable and resilient water future for India and beyond.

## Main goals and key objectives

Main Goals and Key Objectives:

### 1. Networking and Collaboration

- Build a strong professional network across India.
- Connect with other IAHR YPNs for knowledge exchange.

### 2. Knowledge Sharing and Development

- Organize expert lectures, workshops, and conferences.
- Provide mentorship and career support.

### 3. Research and Innovation

- Encourage joint research and project collaborations.
- Support young professionals in publishing and presenting work.

### 4. Industry and Policy Engagement

- Connect young professionals with industry and policymakers.

- Promote research applications for real-world water challenges.

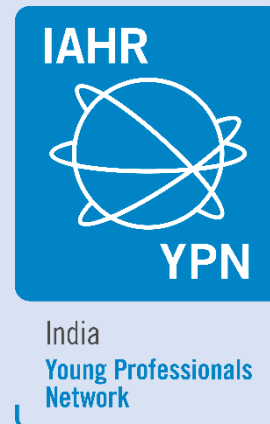
## 5. Outreach and Growth

- Increase membership and engagement through social media.
- Promote IAHR India YPN activities at national and international levels.

By achieving these objectives, IAHR India YPN will serve as a catalyst for the professional growth of young water professionals while contributing meaningfully to the hydro-environmental sector.

# Activities during this year

- **Name:** Inaugural Meeting of IAHR India YPN.
- **Date:** May 10, 2024
- **Venue:** Online
- **Objectives:** To conduct the first official meeting of IAHR India YPN members.
- **Description:** The inaugural meeting of IAHR India YPN brought together members to introduce themselves and discuss their research areas. Our advisor offered valuable guidance on research, publishing, future activities, and potential collaborations, setting the foundation for the YPN's initiatives.



- **Name:** 10<sup>th</sup> IAHR International Symposium on Hydraulic Structures
- **Date:** June 17 to 19, 2024
- **Venue:** ETH Zurich, Switzerland
- **Objectives:** To present research at a global platform, engage in networking, and exchange ideas with experts.
- **Description:** Three IAHR India YPN members participated in the 10th ISHS at ETH Zurich, presenting their research on side spillways, jet scour, and energy dissipators. The conference provided a platform to showcase innovations, engage with leading experts, exchange knowledge,



and establish collaborations, strengthening IAHR India YPN's presence in the global hydro-engineering community.

- **Name:** HYDRO Hackathon 2k24
- **Date:** Dec 19, 2024
- **Venue:** CWPRS, Pune
- **Objectives:** The Hydro-Hackathon at Hydro 2024, organized by IAHR India YPN and IAHR South India YPN, aims to foster innovative, sustainable solutions for pressing water challenges. It provides a platform for young professionals to explore new methodologies in reservoir de-siltation, coastal infrastructure adaptation, and hydro-environmental management.
- **Description:** The event features expert talks on innovative reservoir de-siltation using hydro-suction and climate change impacts on coastal infrastructure. Participants gain insights into practical approaches, research methodologies, and engineering solutions. The hackathon encourages collaboration, knowledge sharing, and real-world problem-solving, contributing to advancements in hydro-environmental engineering and sustainable water management.



- **Name:** Lecture on "Numerical model studies for hydraulic structures."
- **Date:** Sep 18, 2024
- **Venue:** ICED, IIT Roorkee
- **Objectives:** To introduce first-year M.Tech students to CFD modeling through a case study.
- **Description:** IAHR India YPN members, Hariom and Rahil, conducted a lecture at ICED, IIT Roorkee, introducing first-year M.Tech students to CFD modeling and ANSYS applications in hydraulic engineering. The session featured a case



study on the Teesta-V Tunnel Spillway, providing practical insights into numerical modeling techniques for hydraulic structures.

- **Name:** IAHR India YPN 1<sup>st</sup> General body meeting
- **Date:** Aug 22, 2024
- **Venue:** Online
- **Objectives:** To plan future activities, enhance collaboration, and strengthen IAHR India YPN's engagement and outreach.
- **Description:** The first IAHR India YPN General Body Meeting discussed the annual event schedule, upcoming webinars, workshops, and conference participation. Members strategized on increasing engagement, organizing technical sessions, and fostering collaborations, ensuring the network's active involvement in global hydro-environmental initiatives.



## Partnerships and collaboration

### Partnerships

#### Collaboration with other YPNs, associations or organisations

- IAHR South India YPN
- Indian Society for Hydraulics (ISH)
- Central Water and Power Research Station (CWPRS), Pune
- International Centre of Excellence for Dams (ICED), IIT Roorkee

## Communication channels



International Association  
for Hydro-Environment  
Engineering and Research

Hosted by  
Spain Water and IWHR, China



Young  
Professionals  
Network

Hosted by  
Spain Water and IWHR, China

Linked In | <https://www.linkedin.com/company/iahrindiaypn>

Facebook | <https://www.facebook.com/groups/iahrindiaypn/>

Website | <https://www.iahr.org/index/committe/143>

Youtube | <https://www.youtube.com/@IAHRIndiaYPN>

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