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IIT-I workshop discusses challenges in making India water-secure

Our Staff Reporter

INDORE

The Indian Institute of Technology (IIT), Indore is soon going to establish a School of Sustainability which will offer bachelor's and master's degrees in water sustainability and water management.

"The school will soon offer BTech and MTech programmes providing students with hands-on learning and research opportunities in the crucial domain," said IIT Indore di-



Participants of the workshop pose for a group photo at IIT Indore on Monday

Institute to set up School of Sustainability, offer degree courses on water sustainability & management

rector Prof Suhas Joshi at a one-day national workshop on "Sustainable Water Management: Policy, Technology and Climate Resilience" on the occasion of World Water Day, on Monday.

The event aimed at bringing together experts from across the country to deliberate on the most pressing challenges related to water governance, sustainability and climate adaptation in India, in the face of an increasingly urgent water crisis.

The workshop was jointly organised by the depart-

ment of civil engineering, IIT Indore, in collaboration with the Bureau of Indian Standards (BIS), New Delhi, the Narmada Basin Studies Centre, the DST Centre for Policy Research and the National Academy of Sciences, India (NASI)- Bhopal Chapter.

The primary goal was to explore strategic solutions to manage India's water resources in a changing climate, with special focus on the Narmada river basin.

Joshi highlighted the need for innovation, research and technological integration in water management policies.

He spoke about IIT Indore's ongoing collaborations with the Jal Shakti ministry and announced the institute's upcoming establishment of a School of Sus-

tainability.

IIT Indore faculty member Prof Manish Goyal said, "The workshop featured two technical sessions: water resource management and policy and Narmada basin management. In the former, water quality standards, traditional water conservation systems and the economic aspects of water governance were discussed. In the latter, the

discussions were centred around issues like river water quality, wastewater treatment, urban drainage and ecological conservation."

In addition to these, the workshop explored four thematic areas: urban water challenges and smart city solutions, Narmada river basin management, stan-

dardization in the water sector and water policy and climate change.

Presentations and panel discussions covered a wide range of emerging technologies, including digital water management systems, real-time monitoring using AI and IoT, recycling technologies and climate-resilient practices for agriculture and industry.

More than 80 participants from across the country took part in the workshop. They included students, researchers, scientists and experts from IITs, IISERs, state universities, policy think tanks, water technology companies and government departments such as the ministry of Jal Shakti and the ministry of environment, forest and climate change.