

Shiv Nadar Institution of Eminence

Water management educational opportunities for local communities

Shiv Nadar IoE is committed to enhancing awareness around sustainable water management practices. As a university, we provide numerous water management educational opportunities for local communities, including local farmers and neighboring villages, related to good practices of water management by conducting educational training as well as talks and community sensitization programs.

Some of these include:

- a) **Outreach activities by the Water Management Field Laboratory**
- b) **Partnerships with non-governmental organizations**
- c) **Sensitization of local communities**
- d) **Sessions with local support staff**

Details:

Outreach activities by the Water Management Field Laboratory

The research group at the Water Management Field Laboratory at the university are developing AI-based decision-support systems for improved crop water use efficiency under a regulated deficit drip irrigation regime against the backdrop of climate change. The research aim is to provide /water-saving solutions for the two widely grown and consumed crops, rice and wheat. The laboratory is co-funded by the Government of India and the university to serve as a state-of-the-art research facility. It has an extensive crop experimentation facility equipped with a drip irrigation system and research equipment facility for monitoring crops and soil parameters. The research group conducts interactions, workshops, and training with local farmers to provide knowledge regarding different irrigation methodologies and their benefits in saving water, including soil testing, irrigation water testing, and dissemination of weather data for local farmers.

Partnerships with non-governmental organizations

We have also partnered with non-governmental organizations like the [Samaj Pragati Sahayog \(SPS\)](#)², [Advanced Center for Water Resources Development and Management \(ACWADAM\)](#)³, and [the Center for Sustainable Agriculture](#)⁴ who are working for water management agenda in India.

Sessions with local support staff

The university regularly holds sessions with its local support staff to upgrade knowledge and technology to efficiently use resources at home, at the workplace, and in the community. These include workers on campus and farmers from local villages and towns who work on campus. Sessions are held in the local Hindi language and include themes like water efficiency, sustainable water management, irrigation, energy efficiency, agricultural practices, etc. All campus janitors, workers, and vendors have access to free filtered water for cooking. The University supplies free drinking water through tankers to a community of workers near the university.

Sensitization of local communities

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The Shiv Nadar IoE and Shiv Nadar Foundation's Dadri Development Project (DDP) has been spearheading many Community-University Engagement initiatives. As part of DDP, WASH (Water, Sanitation and Hygiene) activity has been launched to create water management awareness amongst the communities around the university.



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