



**TECNIA INSTITUTE OF ADVANCED STUDIES**  
**GRADE "A" INSTITUTE**

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उन्नत भारत अभियान  
 UNNAT BHARAT ABHIYAN



**UNNAT BHARAT ABHIYAN 2.0 (UBA Cell)**

शिक्षित भारत-स्वस्थ भारत- स्वच्छ भारत- स्वावलंबी भारत- संपन्न भारत

(A movement for progressive India)

A flagship programme of Ministry of Education, Government of India



**Report on "Water-use efficiency by rationalizing water use"**

<b>Title of Activity</b>	"Water-use efficiency by rationalizing water use"
<b>Activity Type</b>	Outreach Activity
<b>Values</b>	<ul style="list-style-type: none"> <li>• Water Recycling and Reuse</li> <li>• Mulching</li> <li>• Efficient Fixtures</li> <li>• Behavioural Changes</li> </ul>
<b>Objectives</b>	<ul style="list-style-type: none"> <li>• To promote responsible water usage by reducing wastage and ensuring efficient allocation of water resources.</li> <li>• To encourage the adoption of advanced technologies and best practices for monitoring and conserving water in agriculture, industry, and households.</li> <li>• To raise awareness about sustainable water-use methods such as rainwater harvesting, wastewater recycling, and efficient irrigation techniques.</li> <li>• To support the development and enforcement of policies that encourages water conservation and equitable distribution of water resources.</li> </ul>

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<b>Learning Outcomes</b>	<ul style="list-style-type: none"> <li>Learn the importance of optimizing water usage to reduce wastage and ensure sustainable water management.</li> <li>Gain knowledge of various methods and technologies that enhance water-use efficiency in households, agriculture, and industries.</li> <li>Explore national and global policies promoting water conservation and efficient usage practices.</li> </ul>
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<b>Organized by</b>	Unnat Bharat Abhiyan Cell
<b>Program Theme*:</b>	"Optimizing water consumption for a sustainable future through efficient and mindful usage."
<b>Date*</b>	12-08-2024
<b>Time*</b>	11:00 am onwards
<b>Venue</b>	Bhalswa Dairy
<b>External Expert / Internal Expert</b>	Mr.Ashish Kumar
<b>No. of Students*</b> (only no. to be written, list in excel or word should be maintain at department level as proof for any further requirement)	10
<b>No. of Faculty*</b> (only no. to be written, list in excel or word should be maintain at department level as proof for any further requirement)	1

Poster/Flyer/Notice*	
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**Photograph**



**Students participated in save water campaign**

**Report:**

Water is one of the most essential resources, yet its efficient use remains a critical challenge due to growing demand, climate change, and population increase. This report on "Water-use Efficiency by Rationalizing Water Use" presents research findings from a study conducted with TIAS students on 12 August 2024. The aim was to analyze current water usage patterns and develop strategies for reducing wastage while maximizing resource utilization.

A multi-faceted methodology was adopted, including field surveys, data collection, and technological assessments, to identify key areas of water inefficiency. The study examined various sectors such as agriculture, industry, and domestic consumption, highlighting that outdated practices and a lack of modern water management technologies contribute significantly to water loss. Innovative approaches like precision irrigation, smart metering, and water recycling were evaluated for their potential to improve overall efficiency.

The research revealed that implementing rational water-use strategies can lead to substantial conservation

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	<p>of water, lower operational costs, and enhanced environmental sustainability. Moreover, policy reforms and community engagement emerged as essential components in promoting a culture of efficient water usage. Educational initiatives and awareness campaigns are recommended to support these efforts.</p> <p>In conclusion, rationalizing water use not only addresses the immediate challenges of water scarcity but also supports long-term sustainable development. The collaborative efforts of TIAS students and researchers underscore the importance of integrating technology, policy, and community participation in achieving water-use efficiency. Future research should focus on scaling these initiatives, enhancing community-based management, and developing innovative water technologies to ensure sustainable water availability for all.</p>
Resource Person Profile	NA
Report Submitted by	Mr.Ashish Kumar
Attendance Sheet	<i>Attached at the end of Report</i>
Feedback	<i>Sample feedback Attached at the end of Report</i>
Signature of Event Coordinator	
For Office Use	

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List of participants

S.No	Enrollment	Name	Course
1.	36817001722	Jayesh Naraini	BA (JMC) 2MB
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5.	35717001722	Arushi	BA (JMC) 2EA
6.	35817001722	Kanika Bansal	BA (JMC) 2EA
7.	35917001722	Shivam Gupta	BA (JMC) 2EA
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