6.5.5 Co-operation on Water Security

(Cooperate with local, regional, national, or Global governments on water security)



SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY
An Autonomous Institution| Approved by AICTE| Affiliated to Anna University
Kuniamuthur, Coimbatore - 641008

CIRCULAR

11.03.2025

As a part of The National Service Scheme (NSS), Sri Krishna College of Engineering and Technology is organizing an awareness session on Rainwater Harvesting at Kurumbapalaym village on March 14th, 2025. All interested students are encouraged to participate in the above event.

NSS PROGRAMME OFFICER
Sri Krishna College of
Engineering and Technology
Kuniamuthur, Coimbatore - 8

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2. Notice Board

6 CLEAN WATER AND SANITATION

INVITATION



Report on Awareness Session on Rainwater Harvesting at Kurumbapalayam

Water scarcity is one of the most pressing challenges facing rural and peri-urban communities today. Erratic monsoons, falling groundwater tables and rising demand for domestic and agricultural use have made it essential for communities to conserve every available drop. Rainwater harvesting (RWH) is among the simplest, most affordable and most effective responses to this challenge.



To mark World Water Day, SKCET conducted an awareness session on rainwater harvesting for the villagers of Kurumbapalayam, Coimbatore, on 14.03.2025. The programme was carried out by faculty coordinators and student volunteers of the National Service Scheme (NSS) Club, as part of the institution's commitment to community engagement and social responsibility.

Objectives

The session was organised with the following objectives:

- To sensitise villagers to the importance of rainwater harvesting in tackling water scarcity.
- To explain how harvesting rainwater helps recharge groundwater in the Madukkarai region.
- To demonstrate simple, low-cost RWH methods that households and farmers can adopt on their own.
- To encourage villagers to put these practices into use in their homes and fields.
- To give NSS student volunteers hands-on experience of community outreach and environmental service.

Event Details

Particulars	Details
Event	Rainwater Harvesting Awareness Session
Date	14.03.2025
Occasion	World Water Day
Venue	Kurumbapalayam, Coimbatore
Target group	Villagers (households and farming families)
Organisers	SKCET faculty coordinators and NSS Club student volunteers
Participants	Villagers of Kurumbapalayam

The session began with a welcome to the villagers by the faculty coordinators, who briefly explained the purpose of the visit and the significance of World Water Day. Participants were reminded that water is a shared resource and that its protection is a collective responsibility.

Why Rainwater Harvesting Matters

The resource persons explained, in simple language, why rainwater harvesting is important for the Madukkarai region and its surroundings. Key points covered included:

- Growing pressure on water resources due to population growth and agricultural demand.



- Declining groundwater levels, which make wells and borewells less reliable, especially in the dry months.
- The fact that much of the rain that falls is lost as surface run-off instead of being stored or allowed to seep into the ground.
- How capturing this rain can reduce dependence on borewells and improve water security for households and farms.

Demonstration of Simple, Low-Cost Methods

The core of the session was a practical explanation of methods that villagers can adopt with minimal expense and local materials:

1. Roof-top rainwater collection: Rain falling on roofs is channelled through gutters and pipes into a collection or storage unit. This provides a clean supply that can be used for household purposes such as washing, cleaning and, with proper filtration, other domestic needs.
2. Recharge pits: Pits filled with layers of gravel, pebbles and sand are constructed so that rainwater can percolate gradually into the soil. This helps replenish the groundwater table and improves the yield of nearby wells and borewells.
3. Storage for household and farm use: Collected water can be stored in tanks or ponds for use in the home, for livestock, and for irrigating crops and kitchen gardens during dry spells.

The volunteers emphasised that these structures are affordable, easy to maintain and can be adapted to different house sizes and landholdings.

Interaction and Participation

Villagers took an active part in the session. They asked questions about the cost, maintenance and suitable locations for recharge pits, shared their own experiences of water shortage during summer, and discussed how the methods could be applied in their own houses and fields. This two-way exchange made the session lively and relevant to local needs.

The faculty coordinators planned and guided the programme, ensuring the technical content was accurate and suited to the audience. The NSS student volunteers assisted with logistics, interacted directly with villagers and helped explain the methods. For the students, the programme was a valuable opportunity to apply classroom knowledge to a real community problem and to develop communication, teamwork and leadership skills.



Outcomes

- Villagers gained a clear understanding of why rainwater harvesting is essential for the region.
- Participants learned practical, low-cost techniques that can be implemented without heavy investment.
- The community was encouraged to adopt roof-top collection, recharge pits and storage practices in homes and fields.
- NSS volunteers strengthened their sense of social responsibility and environmental awareness.
- The programme reinforced the link between the institution and the neighbouring community.

The rainwater harvesting awareness session at Kurumbapalayam, held on 14.03.2025 on the occasion of World Water Day, was an effective and well-received community outreach activity. By combining clear explanation with simple, practical demonstrations, SKCET and its NSS Club helped villagers see that every household and farm can contribute to water conservation. The enthusiastic participation of the villagers reflects their willingness to act, and the session marks a meaningful step towards sustainable water management in the region.

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