



K.S. INSTITUTE OF TECHNOLOGY

National Service Scheme

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KSIT
K.S. INSTITUTE OF TECHNOLOGY

14, Raghuvanahalli, Kanakapura Main Road, Bengaluru - 560 109.

WATER CONSERVATION TECHNIQUES & ROLE OF STAKEHOLDERS

Date of Conduction of Program: 08.07.2024

Venue: Conference hall, KSIT

Organized by: NSS KSIT

Duration: 1:15pm-4:00pm

Participants: 4th Semester NSS Volunteers

SCOPE OF THE PROGRAM

The water conservation program aims to raise awareness and promote actionable strategies for conserving water resources. The scope covers a variety of conservation techniques and involves multiple stakeholders, including students, faculty, local community members, government bodies, and NGOs. The program is designed to foster a culture of sustainable water usage and to encourage collaborative efforts in addressing water scarcity issues.

OBJECTIVES OF THE PROGRAM

The primary objective of the water conservation program is to educate and raise awareness among participants about the critical importance of preserving water resources. This involves informing them about the current state of water availability and the various environmental, economic, and social impacts of water scarcity. The program aims to promote practical water-saving methods, such as rainwater harvesting, efficient irrigation systems, and greywater recycling, while encouraging the adoption of simple daily practices to reduce water wastage. By engaging and involving multiple stakeholders—including students, faculty, local authorities, and community members—the program seeks to foster collaboration and active participation in water conservation initiatives. Additionally, it aims to implement and showcase practical solutions through demonstrations and hands-on experiences, ensuring participants can apply these techniques in their own lives. Overall, the program strives to create a sustainable framework for ongoing water conservation efforts and to inspire a culture of mindful water usage.

HIGHLIGHTS OF THE PROGRAM

The NSS program on water conservation, organized by Naveen Sir, the NSS program officer, was an insightful and engaging session. The presentation, enriched with a detailed PowerPoint, highlighted the critical importance of water conservation and practical ways to achieve it. Naveen Sir initiated the discussion by emphasizing the need for effective water usage and conservation methods. The program covered a wide range of topics, including agricultural water conservation techniques such as drip irrigation and crop rotation, urban water management strategies like smart metering and efficient irrigation systems for green spaces, and industrial practices focusing on water recycling and wastewater treatment.

In the domestic sphere, the session highlighted simple yet impactful practices like fixing leaks, using water-efficient appliances, and implementing rainwater harvesting systems. Greywater recycling was discussed as a method to reuse water from sinks, showers, and washing machines for irrigation and other non-potable uses. Sustainable landscaping techniques, including xeriscaping and the use of native plants, were presented as effective ways to reduce water consumption in gardens and public spaces.

The program also delved into innovative farming practices such as dry farming, which relies on soil moisture conservation, and organic farming, which enhances soil health and water retention. Auditing water use was suggested as a crucial step for identifying areas of wastage and implementing corrective measures.


Furthermore, the session highlighted the pivotal roles of various stakeholders in water conservation. The government's role in policy-making and enforcement, businesses and industries adoption of sustainable practices, NGO's efforts in raising awareness, and educational institutions role in educating the younger generation were all underscored as vital for a comprehensive approach to water conservation. The students contributed by sharing their thoughts and ideas on these topics, making the session interactive and enriching. Overall, the program provided a thorough understanding of water conservation techniques and the collective efforts required to sustain water resources for future generations.

Water conservation -Presentation by Naveen Sir, NSS Program Officer







 **GPS Map Camera**



Bengaluru, Karnataka, India

29, Kanakapura Rd, Raghuvanahalli, Bangalore City Municipal Corporation Layout, Bengaluru,
Karnataka 560062, India

Lat 12.879444°

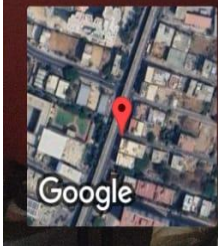
Long 77.545566°

08/07/24 02:23 PM GMT +05:30

Google



 **GPS Map Camera**



Bengaluru, Karnataka, India

29, Kanakapura Rd, Raghuvanahalli, Bangalore City Municipal Corporation Layout, Bengaluru,
Karnataka 560062, India

Lat 12.879341°

Long 77.545625°

08/07/24 02:26 PM GMT +05:30

Google

PROGRAM OUTCOMES:

At the end of the programme, the following PO's are attained.

NSS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
NSS PROGRAMME						2	3		3			3

Justification of PO mapping:

- *Students can able to assess societal, health, safety, legal and cultural issues and the consequent responsibilities .*
- *Students can able to Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development .*
- *Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.*
- *Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change*



NSS COORDINATOR

NSS Programme Officer
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PRINCIPAL

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