



THE COCHIN COLLEGE

Koovapadam, Kochi-2

Affiliated To Mahatma Gandhi University

Re-accredited by NAAC With B+ Grade



Fourth Cycle
NAAC Accreditation 2024

Criterion 7 Institutional Values and Best Practices

7.1 - Institutional Values and Social Responsibilities

Metric No. 7.1.2

The Institution has facilities and initiatives for *Alternate sources of energy and energy conservation measures, Management of the various types of degradable and nondegradable waste, Water conservation, Green campus initiatives, Disabled-friendly, barrier free environment*

Water Conservation

Submitted to



National Assessment and Accreditation Council



THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

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Declaration of the Principal

This is to declare that the following Water Conservation Strategies are adopted at The Cochin College

Mrudula Menon V.





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Water Conservation Strategies Adopted at The Cochin College

Water conservation is crucial for sustaining the natural environment and ensuring the availability of water for future generations. The Cochin College has implemented several initiatives aimed at conserving water on campus, with a particular focus on rainwater harvesting and recharging groundwater levels.

1 Rainwater Harvesting and Recharging

1.1 Efficient Rainwater Recharging

The Cochin College has adopted a comprehensive rainwater recharging system to make the best use of natural rainfall. This system involves collecting rainwater from rooftops and other surfaces, directing it into reservoir ponds, and allowing it to percolate into the ground, thereby replenishing the groundwater table.

1.2 Key Features of the Rainwater Recharging System

1.2.1 Collection Mechanism

Rainwater from the college buildings, including rooftops, is channeled through pipes and gutters into designated reservoir ponds.

1.2.2 Groundwater Replenishment

The rainwater recharging system helps in replenishing the groundwater table, which is essential for maintaining a sustainable water supply, especially during dry seasons.

2 Water Conservation Practices

2.1 Water-Saving Fixtures

The college has installed water-efficient fixtures, such as low-flow taps and dual-flush toilets, in the campus restrooms and wash areas. These fixtures help in reducing water wastage by controlling the flow and minimizing unnecessary usage.





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2.2 Drip Irrigation for Gardens

To ensure efficient water use in the college gardens, drip irrigation systems have been installed. This method delivers water directly to the roots of plants, minimizing evaporation and runoff, and ensuring that plants receive the necessary hydration with minimal water usage.

2.3 Water Usage Monitoring

The college regularly monitors water usage across the campus to identify areas where water consumption can be reduced. This data-driven approach allows for targeted interventions to further conserve water.

2.4 Water Recycling

Efforts are underway to explore the recycling of greywater (lightly used water from sinks and showers) for non-potable purposes, such as gardening and flushing toilets. A root-zone system for sewage treatment is being planned. This decentralized wastewater treatment method mimics natural wetlands by passing sewage through a series of planted beds where the roots of plants, along with microorganisms in the soil, break down and filter out contaminants. The treated water that emerges is significantly cleaner and can be reused for non-potable purposes.

3 Awareness and Education

3.1 Workshops and Seminars

The college regularly organizes workshops and seminars to educate students and staff about the importance of water conservation and the role they can play in reducing water wastage.

3.2 Signboards and Reminders

Signboards have been installed throughout the campus as reminders to students and staff to avoid wasting water by ensuring that taps are closed properly after use, especially in washrooms and pantries.

The Cochin College has demonstrated a strong commitment to water conservation through its efficient rainwater recharging system and various water-saving practices. These efforts contribute to a sustainable campus environment and set a positive example for the college community. By continuing to prioritize water conservation, The Cochin College is ensuring the responsible use of this precious resource and supporting long-term environmental sustainability.





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Figure 1: Rain Water Harvesting





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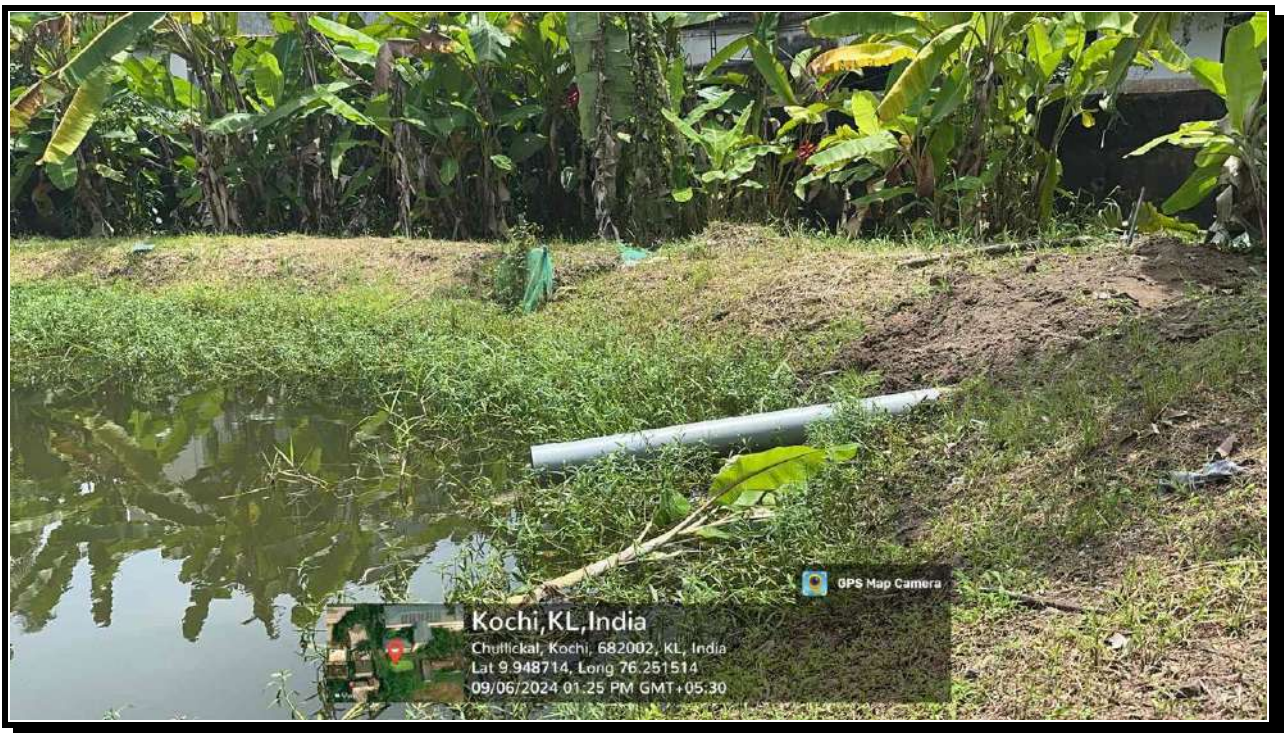


Figure 2: Rain Water recharging the pond





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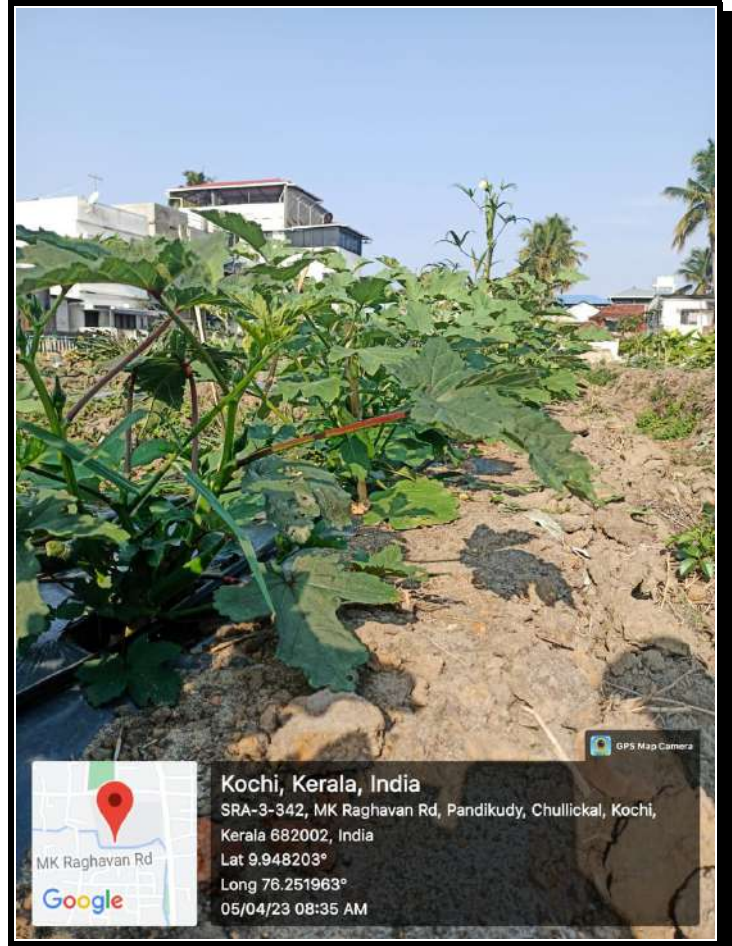


Figure 3: Drip irrigation used in Institutional organic farming





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Figure 4: Glimpses of Water Day Celebration



Mendula Menon
 Mrudula Menon V.
 Principal-in-Charge
 The Cochin College



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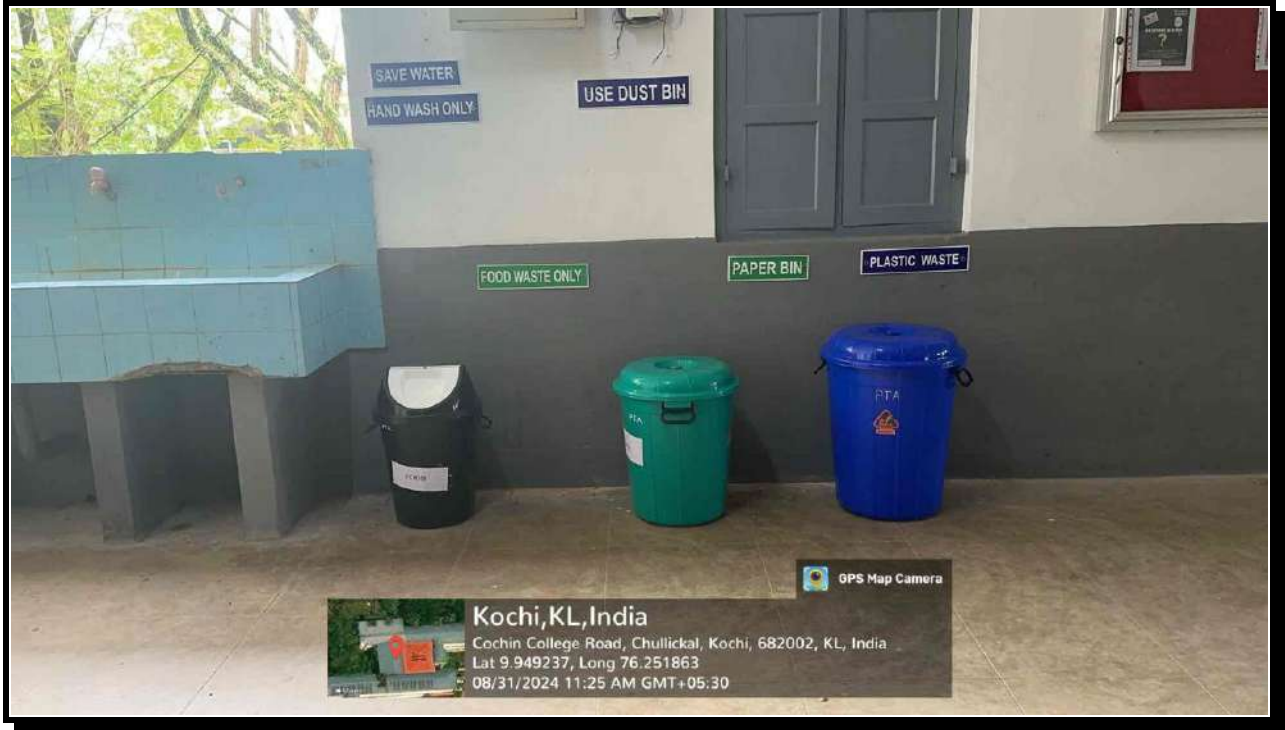


Figure 5: Water saving Sign Boards

