



**RCMAS**  
RAJAGIRI COLLEGE OF MANAGEMENT &  
APPLIED SCIENCES

## Criterion VII Institutional Values and Best Practices

**RAJAGIRI COLLEGE OF MANAGEMENT AND APPLIED SCIENCES**

RAJAGIRI VALLEY P.O, KAKKANAD, KERALA 682039

An ISO 9001 : 2015 Certified Institution

Affiliated to Mahatma Gandhi University, Kottayam and Approved by AICTE

**7.1**

**Institutional Values and Social  
Responsibilities**

**7.1.2**

**Photos of Water Conservation Initiatives**

Submitted to



### 7.1.2 Photos of Water Conservation Initiatives

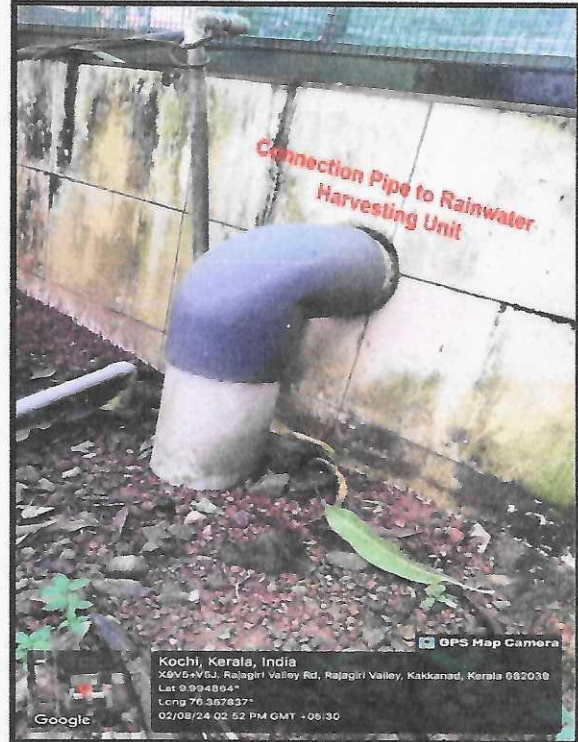
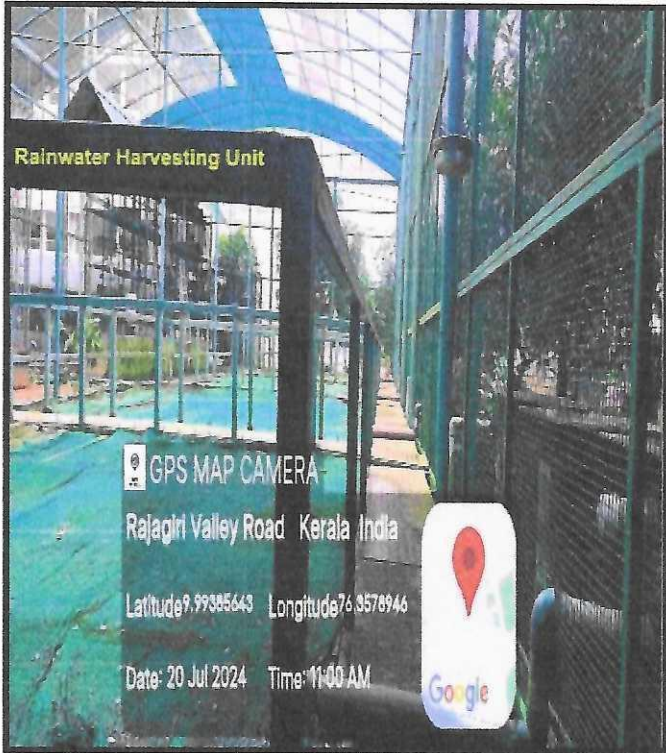
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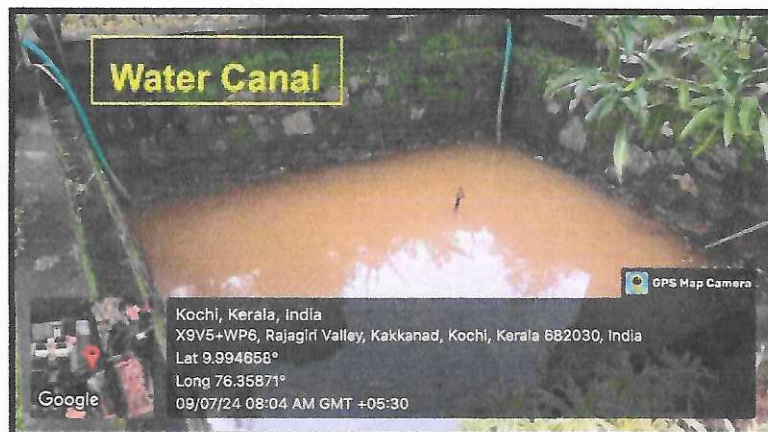
### 1. Rainwater Harvesting Unit

Rainwater harvesting systems located beneath the aviary collect rainwater runoff from the college building rooftops.



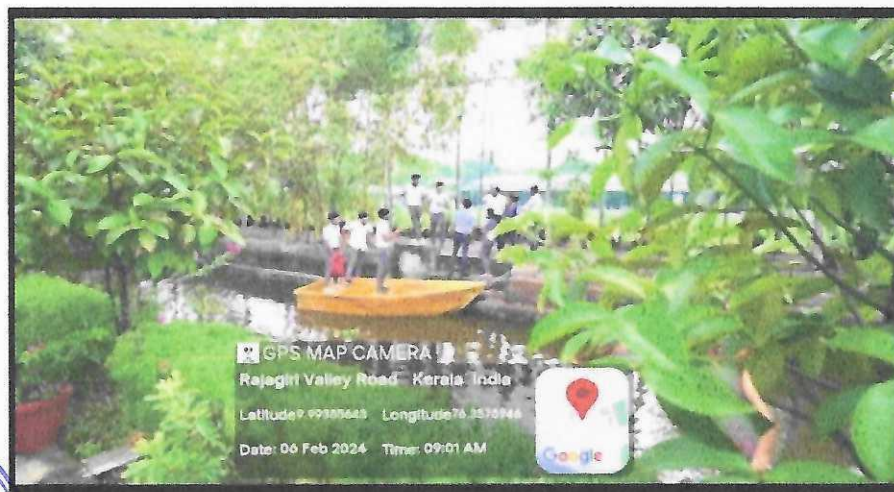
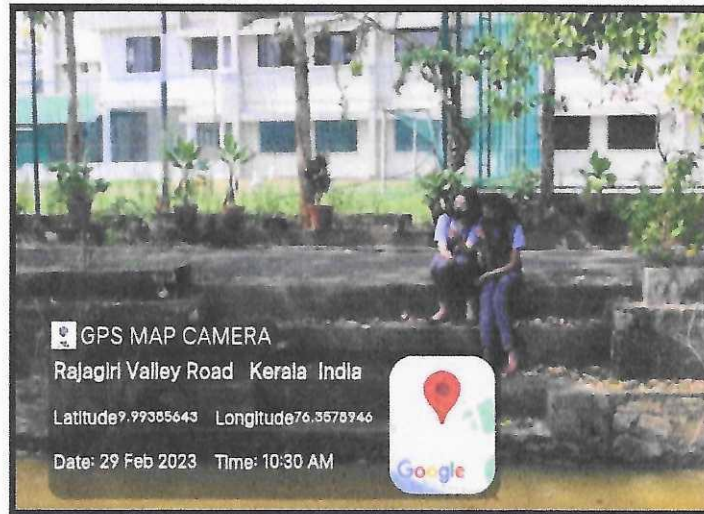
### 2. Water Canal/Bund with an Open Recharging Pit

The canal system/water bund bordering the campus has been established for efficient water conservation and distribution, ensuring that every drop is utilized effectively.



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**Students Enjoying Boating**



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### 3. Mazhakkuzhi/ Open Wells

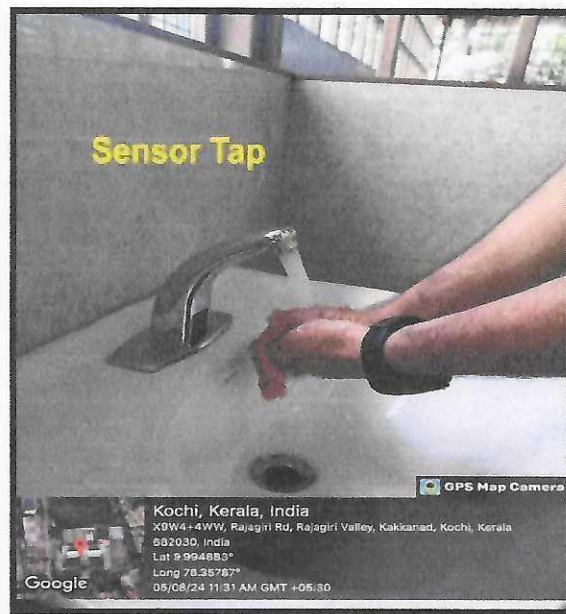
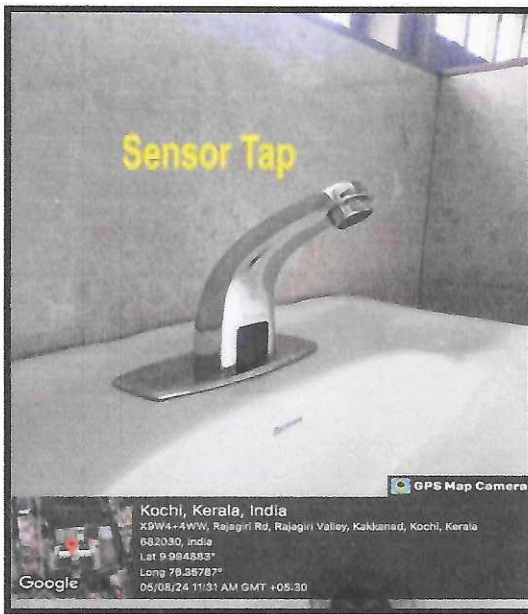
The Mazhakkuzhi functions as a decentralized rainwater harvesting system. They help reduce the dependence on municipal water supplies, promoting water conservation. This benefits the college financially and ensures a sustainable water source throughout the year.



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#### 4. Sensor Taps

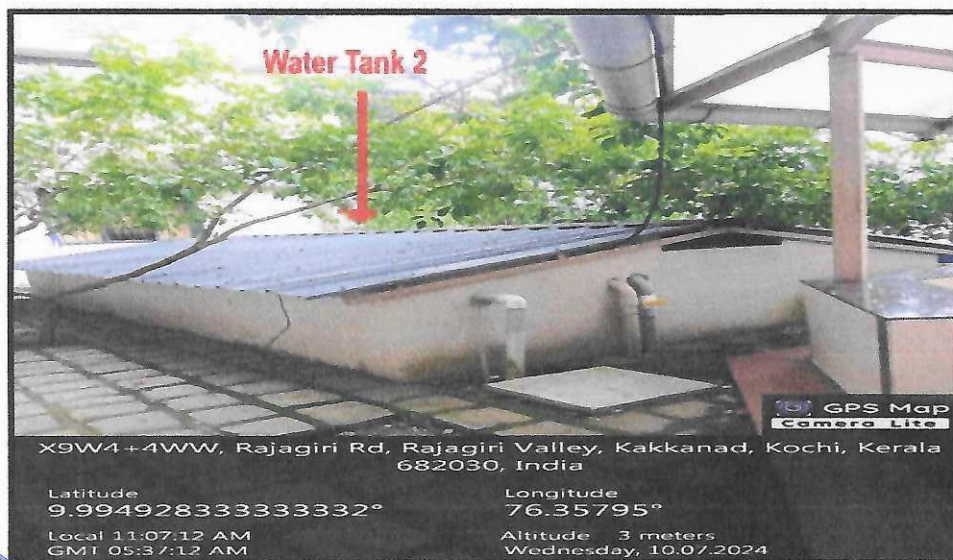
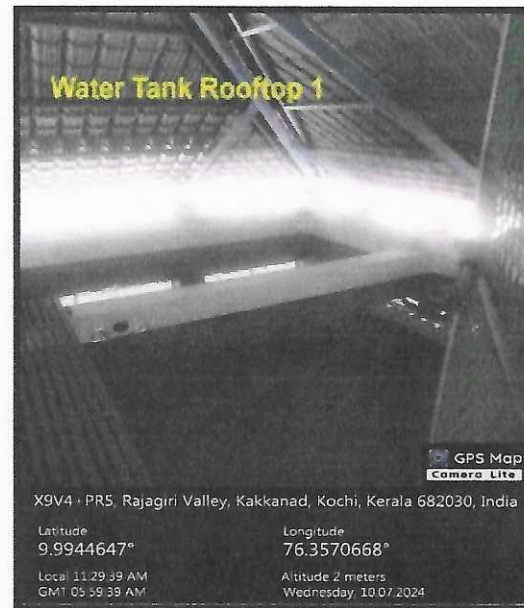
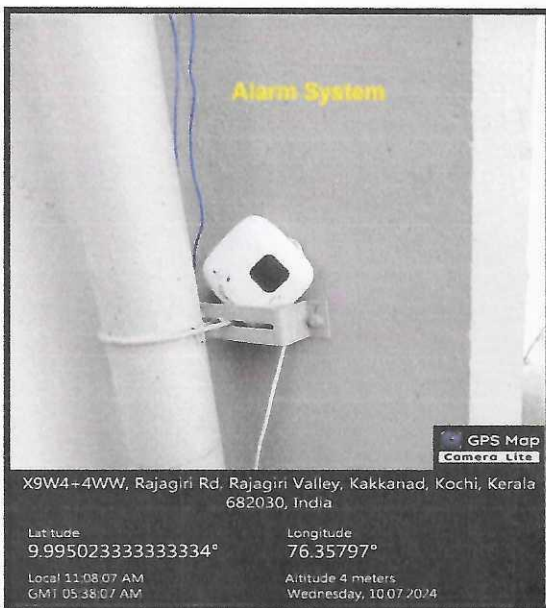
The primary advantage of sensor taps is their ability to automatically turn off the water flow when hands are removed. This eliminates the common problem of leaving the tap running unintentionally.



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### 5. Water Tank and Alarm System to Prevent Water Wastage

The college utilizes a network of elevated tanks to store treated water from municipal supplies and collected rainwater. To ensure a consistent water supply throughout the campus and to prevent water waste, the college utilizes a critical technology - water tank alarm systems.

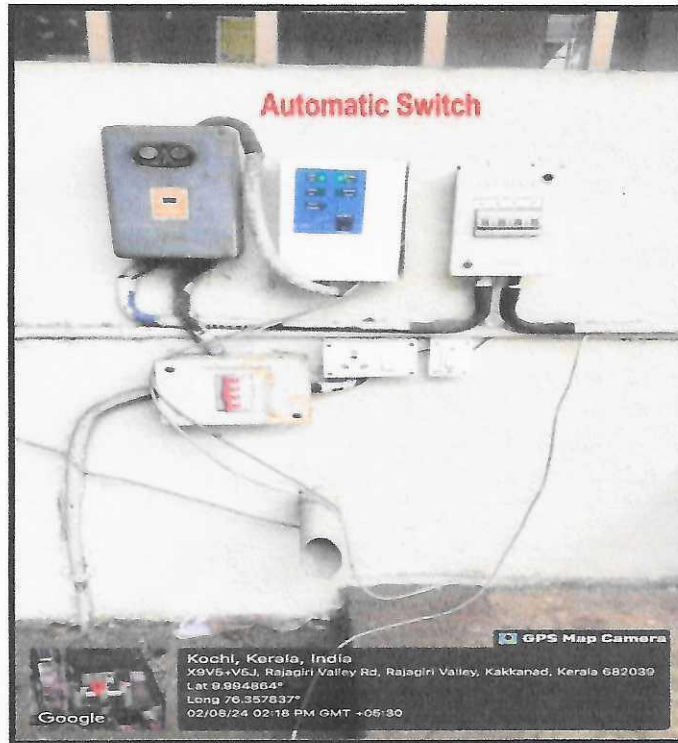


**Water Tank**



## 6. Automatic Switch for Water Pumps

These switches ensure that the pump is activated when the water level drops below a predetermined point and automatically shuts off when the tank is full, preventing overflow.



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### 7. Sprinkler System & Drip Irrigation for Watering Plants

The Sprinkler system consists of a network of underground pipes. These heads are designed for low-pressure water distribution while drip irrigation minimizes water loss through evaporation and runoff.



### 8. Lawns with Garden Bench Construction Suitable for the Ecosystem

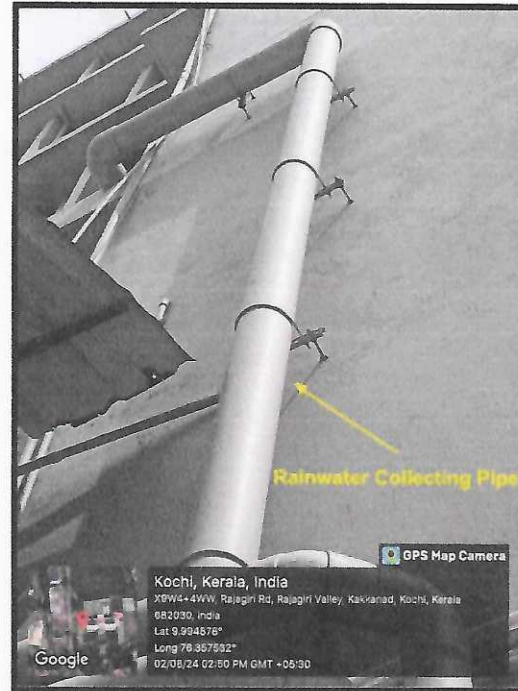
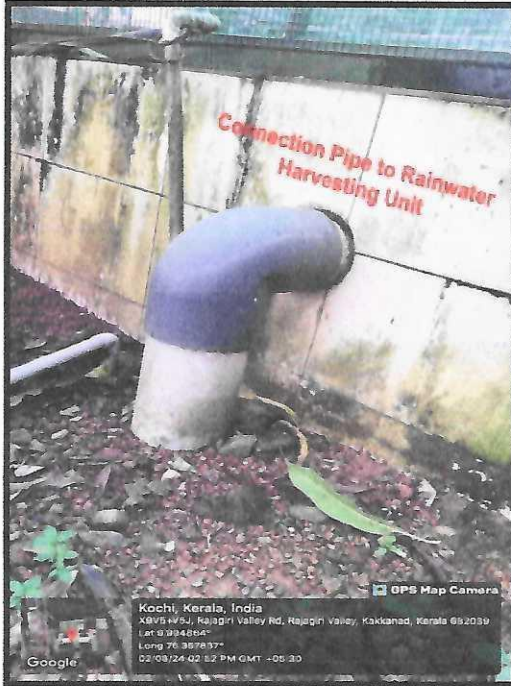
Lawns are effectively managed to contribute to water conservation. They contribute to a healthy campus environment by improving air quality, reducing noise pollution and providing a cooling effect.



*Lawns*

## 9. Roof Water Conservation

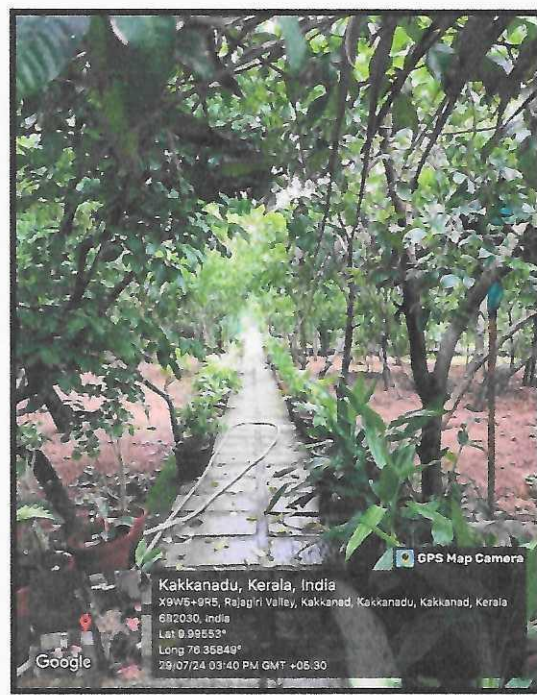
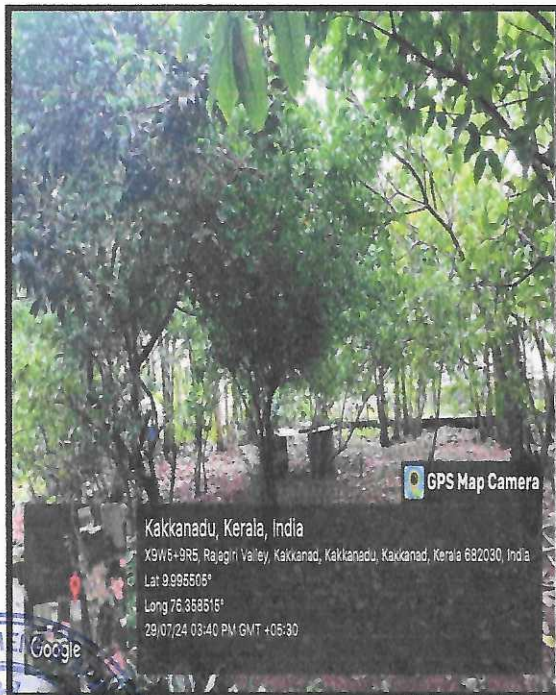
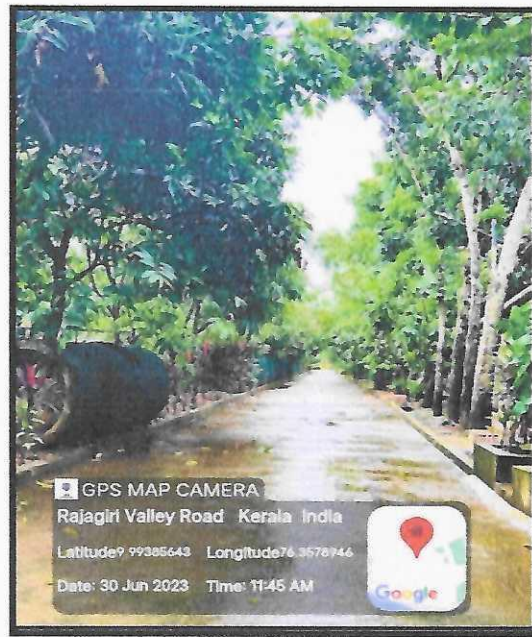
Captured rainwater is subsequently utilized for non-potable purposes, contributing to water conservation and environmental sustainability.



*Leena*

### 10. Rajeevanam as a Natural Reservoir

The college has been able to make significant strides in water conservation. Rajeevanam, the green wealth of Rajagiri College, serves as a natural water reservoir, embodying environmental sustainability and innovative resource management.



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