



# GEMS ARTS AND SCIENCE COLLEGE

An ISO 9001 : 2015 Certified Institution

(A unit of Global Education and Management Studies Co-operative Ltd., No. M. 782)

(Affiliated to University of Calicut and UGC Recognized under Section 2 (f) of UGC Act 1956)

Ramapuram, Kadungapuram P.O, Malappuram Dt., Kerala. Pin - 679321, Ph : 04933-256123, 255700

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## 7.1.2

# Geotagged Photographs and Reports of Initiatives

(Water conservative initiatives)





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## WATER CONSERVATION REPORT

Water conservation is a crucial aspect of sustainable development, and the college is committed to promote efficient water usage and preservation. Water conservation and by adopting responsible water management practices, we can safeguard water resources, mitigate the impact of water scarcity, preserve ecosystems, and promote overall environmental sustainability. Various water conservation initiatives are implemented at the college like water filtering system, water harvesting system, well recharging, open well recharging, storage tanks, water cooler and effective water distributing system.



  
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## WATER FILTERING SYSTEMS

GEMS Arts and Science College prioritizes water conservation through its Advanced Water Filtering Systems Initiative. These systems not only purify water for consumption but also contribute to reducing overall water demand by optimizing usage. GEMS Arts and Science College continues to lead the way in fostering a water-conscious campus, embracing innovative solutions that align with its dedication to a sustainable future.



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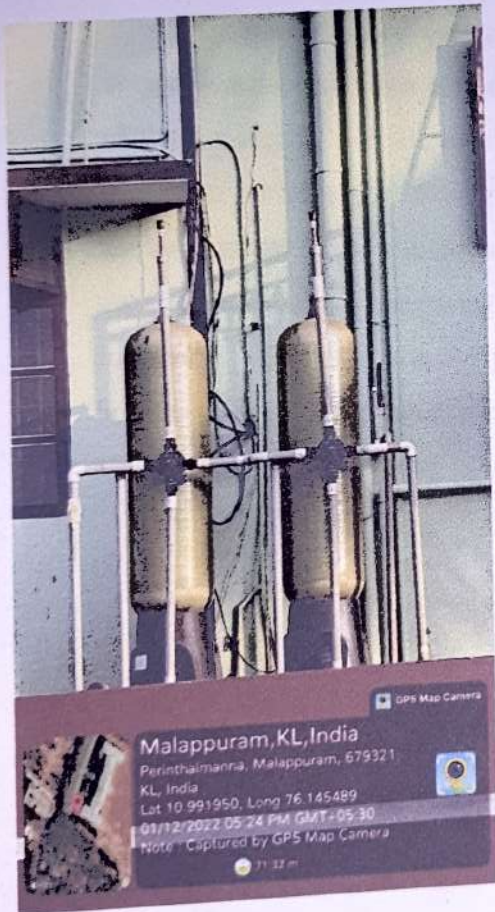
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## WATER FILTERING SYSTEMS



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## RAIN WATER HARVESTING AND WELL RECHARGING

GEMS Arts and Science College is spearheading water conservation efforts through its comprehensive Rainwater Harvesting and Well Recharging initiative, embodying the principles of Reduce, Reuse, and Recycle. The campus has implemented a sophisticated system to collect rainwater, subsequently filtering and channeling it to recharge wells. This sustainable approach not only curtails dependency on external water sources but also ensures the efficient use of natural resources. By integrating rainwater harvesting and well recharging into its sustainability framework, the college is actively contributing to a water-resilient environment. GEMS Arts and Science College is dedicated in implementing sustainable solutions that prioritize environmental stewardship in all the aspects of campus life.



  
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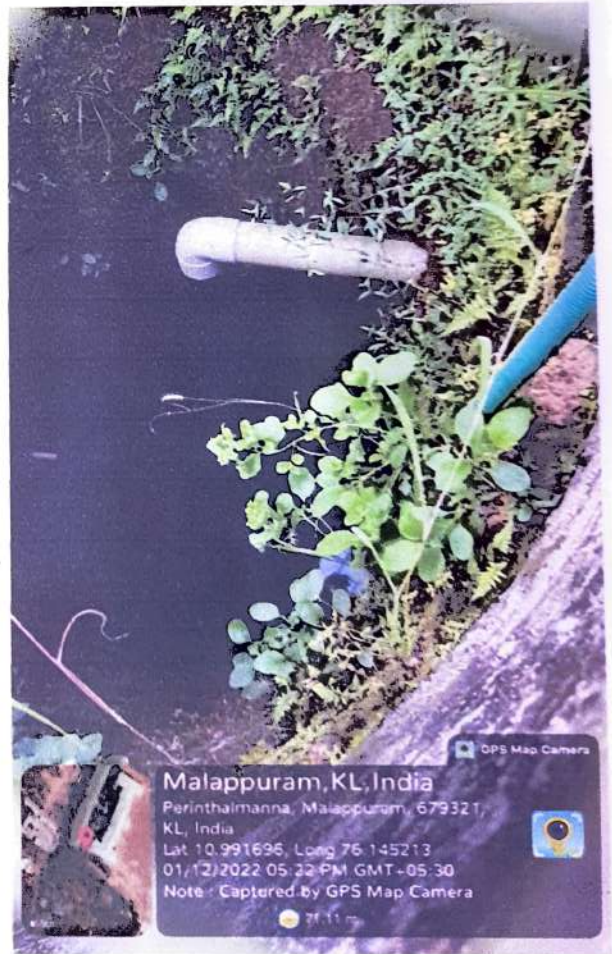
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## RAIN WATER HARVESTING AND WELL RECHARGING



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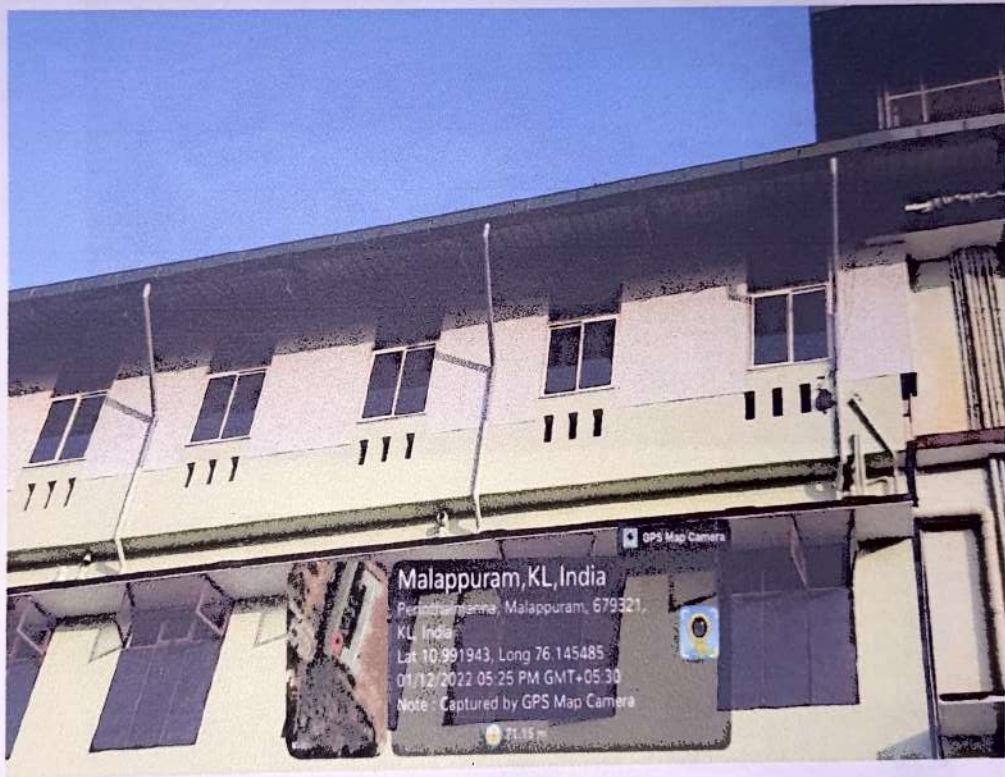
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## RAIN WATER COLLECTION PROCESS



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OPEN WELL

## WELL RECHARGING



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## OPEN WELL

GEMS Arts and Science College demonstrates its commitment to water conservation through a strategic initiative involving the utilization of open wells for water storage. Embracing the principle of responsible water management, the college has repurposed open wells to collect and store water efficiently. This innovative approach not only helps in conserving water resources but also promotes self-sufficiency in water supply. The open well storage initiative aligns with the college's broader commitment to sustainability, fostering a campus environment that values and implements eco-friendly practices. GEMS Arts and Science College continues to set a precedent for responsible resource utilization, emphasizing the importance of environmental stewardship in every aspect of campus life.



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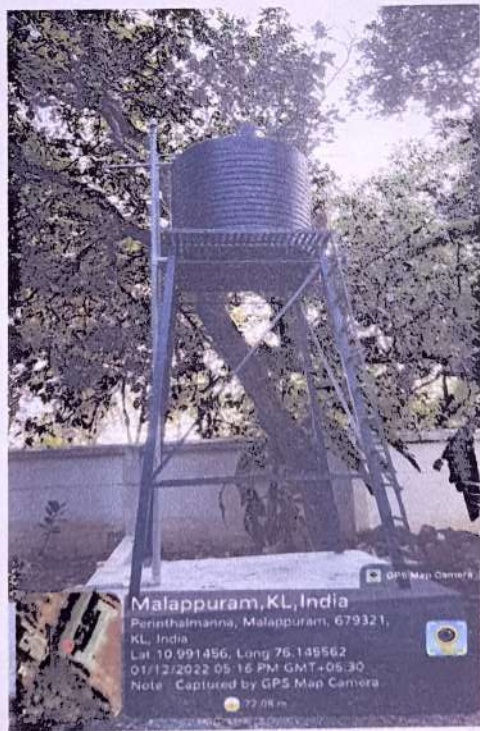
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## WATER STORAGE TANKS

GEMS Arts and Science College is dedicated to water conservation through its strategic Water Storage Tanks. The college has implemented a robust system of storage tanks to collect and store water efficiently. These tanks play a pivotal role in harnessing rainwater and optimizing its use across the campus.



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## WATER COOLER AND FILTER

The Water Cooler and Filter project aims to provide an eco-friendly, resilient water supply, aligning with the college's commitment to environmental stewardship. Water filter system is accessible to all the staffs and students within walk able distance with safe drinking water. This initiative not only fulfills immediate water needs but also exemplifies responsible resource management, promoting sustainability within the college community.



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## WATER DISTRIBUTION METHODS

GEMS Arts and Science College is at the forefront of water conservation, employing innovative Water Distribution Methods across the campus. The college ensures responsible water use through strategic distribution to key areas, including plantation zones, promoting greenery and sustainability. Equipped with wash basins for students and teachers, water is efficiently utilized for personal hygiene. Additionally, the installation of drinking water filters at crucial points such as the main block, academics block, PG block, and administrative block ensures clean and accessible water for the entire campus community. Through these initiatives, GEMS Arts and Science College not only emphasizes conservation but also prioritizes the well-being of its students and staff while fostering a sustainable and eco-friendly campus environment.



  
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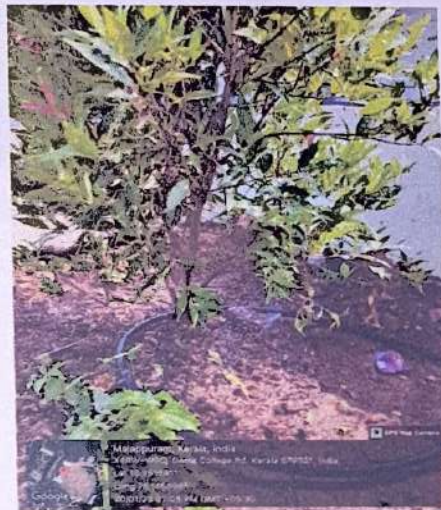
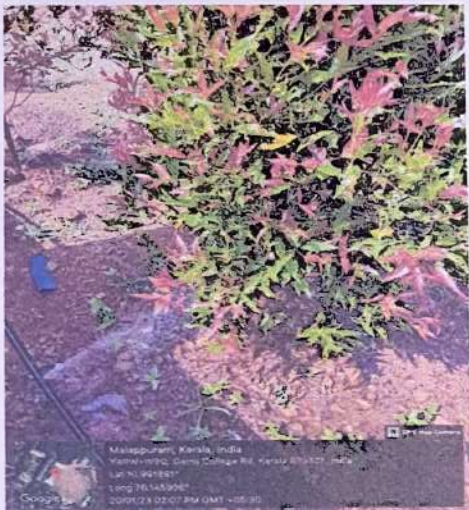
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## WATER DISTRIBUTION METHODS

### ➤ WATER DISTRIBUTION (DRIP IRRIGATION) TO GARDEN AREAS



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## WATER DISTRIBUTION METHODS

### ➤ WASH BASINS FOR STUDENTS AND TEACHERS



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## WATER DISTRIBUTION METHODS

### ➤ DRINKING WATER FILTERS

- AT (MAIN BLOCK, ACADEMICS BLOCK, PG BLOCK, AND ADMINISTRATIVE BLOCK)



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