

AMITY UNIVERSITY

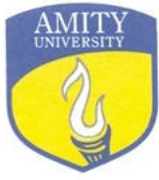
RAJASTHAN

SDG14: Life Below Water

Amity University Rajasthan located in a semi-arid region sprawling over 152 acres adjoining Indian Thar Desert, which is characterized by extremely low rainfall and erratic rainfall distribution, preventing easy soil formation and water holding. The agriculture here is rainfed and somewhat supported by an extravagant canal system. The university has artificially created a lake fed by ETP- and STP-treated water-which is of superior quality-and it is used to sustain the green belt in the university campus. The water body sustains aquatic flora and fauna, while its very existence is a testimony to the sustainable quality of the on-campus water treatment mechanism. We have introduced geese and carp fishes to give a boost to the ecosystem, including supporting life under the water.

Centre of water studies, Amity COAST are executing R&D related to aquatic ecosystem, also organising awareness events in local communities, University focuses on conservation of water and encourage watershed management in its outbound events. University ensures and manage to protect water bodies from plastic.







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Mapping of Water Conservation Practices in Amity University Rajasthan



Lake




Sprinkler for Irrigation




Cooling Ducts


AUR campus has an in house sewage treatment plant. (STP). Water treated in the STP is used for cooling ducts, irrigating the campus greens and collection in the lake.




Surface Drain Pipe (Top View)
Roof Top Drain Pipe (inset)



Water Collection Pit




Surface Drain Pipe (Side View)




Borewell

On the rooftop of every building there are roof drains for removing water from roof surface (inset). The water from these roof drains and from surface drain pipes all across the campus is taken to rainwater collection pit and from there it gets transferred to water harvesting pit. Approximately 22 lac litres of water has been collected in the last one year of rainfall and recharged into the groundwater.



Top View



Side View

Guidance

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A knowldgements

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ACTIVITIES

Webinars

Invited Lectures

Patent Granted IPO
No. 358213

Outreach Activities

International MoU

Microbial bioremediation of waste water

Monitoring and risk analysis of water related diseases

Water resource management

Rural water management watershed management