



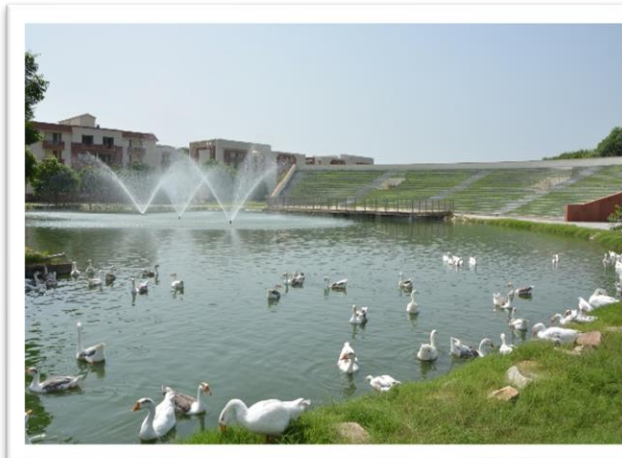
AMITY UNIVERSITY

RAJASTHAN

SDG14: Life Below Water

University has 152 acre lands in semi-arid zone adjoining to Indian Thar Desert which is known for very low precipitation, its distribution is extremely erratic & not allows easy soil formation & water holding. Here agriculture is rain fed and somehow managed by expensive canal system. University has created artificial lake which is filled by ETP/STP water which is best in quality and we are using it for maintaining on campus green belt. Water body is having aquatic flora and fauna and its existence itself represents sustainable quality of on campus water treatment mechanism. We have introduced geese and carp fishes to strengthen the eco system including support to life under 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.








AMITY UNIVERSITY

RAJASTHAN


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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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