



College Code : 70

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET

Approved by AICTE, New Delhi. Affiliated to Jawaharlal Nehru Technological University Anantapur
B.Tech : EEE, ECE & CSE courses Accredited by NBA, New Delhi. Accredited by NAAC with 'A' Grade
Recognized by UGC, New Delhi under sections 2(f) & 12(B) as per UGC act 1956. Institutional Member of ISTE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the following Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell /Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

Option selected:

A. Any 4 or more of the above

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ANNAMACHARYA INSTITUTE OF
TECHNOLOGY & SCIENCES
NEW BOYANAPALLI-516 126
RAJAMPET, ANNAMAYYA Dist. A.P



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(Approved by A.I.C.T.E, New Delhi & Affiliated to JNTU Anantapur, Anantapuramu)
(Institute Accredited by NAAC, Bangalore) (Institute Accredited by IE (I), Kolkata)

CRITERION VII–INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 Institutional Values and Social Responsibilities

7.1.4 - Water conservation facilities available in the Institution.

Initiatives Undertaken by The Institution

Water conservation facilities available in the Institution

Institute Green Campus Policy



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GREEN CAMPUS POLICY

1. Preamble:

Annamacharya Institute of Technology & Sciences, Rajampet, recognizes its responsibility as an environmental steward and is committed to fostering a sustainable campus community. Our Green Campus Policy reflects this dedication by integrating sustainability principles into all campus operations. We focus on energy efficiency, renewable energy, and effective waste management to reduce our carbon footprint. The policy promotes the use of eco-friendly materials and the conservation of natural resources, including water-saving technologies and rainwater harvesting. By enhancing green spaces and incorporating sustainability into our curriculum, we aim to instill environmental awareness and responsibility in our students and staff, driving a collective effort towards a greener future.

2. Policy Statement:

Annamacharya Institute of Technology & Sciences, Rajampet is dedicated to the following principles in its quest for a green and sustainable campus:

2.1. Sustainable Operations

- a) Annamacharya Institute of Technology & Sciences, Rajampet aims to reduce its environmental impact by managing resources responsibly and implementing sustainable practices throughout all institute operations.
- b) We are committed to enhancing energy efficiency, conserving water, and reducing waste across all campus facilities and activities.

2.2. Renewable Energy

- a) Annamacharya Institute of Technology & Sciences, Rajampet will proactively seek and invest in renewable energy sources, like solar power, to decrease greenhouse gas emissions and dependence on fossil fuels.
- b) We are committed to progressively increasing the proportion of renewable energy in our overall energy mix.



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2.8. Reporting and Accountability

- a) Annamacharya Institute of Technology & Sciences, Rajampet will form a Green Campus Committee tasked with overseeing and documenting the advancement of sustainability initiatives.
- b) We will routinely evaluate our achievements in relation to sustainability objectives and benchmarks.

3. Community Engagement

Annamacharya Institute of Technology & Sciences, Rajampet fosters engagement and collaboration among students, faculty, staff, and the broader community to propel our green campus initiatives forward. We prioritize raising awareness and encouraging active involvement in all sustainability endeavors.

4. Review and Revision

This Green Campus Policy will undergo regular reviews to ensure its continued relevance, effectiveness, and alignment with evolving sustainability challenges and opportunities.



Sree. Narayana

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Initiatives Undertaken by The Institution

Water conservation facilities available in the Institution

Maintenance of Water Bodies and Distribution System in the Campus



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MAINTENANCE OF WATER BODIES AND DISTRIBUTION SYSTEM IN THE CAMPUS

Ensuring the upkeep of water bodies and distribution systems within an institutional campus is crucial for securing a dependable water supply for diverse needs, while also preserving the campus's aesthetic appeal and environmental quality. Below are essential factors and actions to guide the maintenance of these systems.

Maintenance of Water Bodies:

Regular Monitoring: Establish a schedule for systematic monitoring of all water features across the campus, such as ponds, lakes, fountains, and artificial streams. This involves conducting thorough checks to detect any indications of leaks, structural damage, erosion, or concerns related to water quality.

Regular Quality Test: Regularly conduct water quality tests to ensure the safety and aesthetic appeal of all campus water bodies. Promptly address any identified issues such as algae blooms, sediment accumulation, or contamination to maintain optimal conditions for aquatic life and visual appeal.

Aquatic Plant Management: Manage aquatic plant growth, including algae and invasive species, using mechanical or biological methods. Explore natural alternatives, such as introducing beneficial aquatic species, to effectively control pests and maintain ecological balance in water bodies.

Erosion Management: Employ strategies to mitigate shoreline erosion, protecting water body integrity and reducing sedimentation risks. Utilize erosion-resistant plants, rocks, and geotextiles as effective measures.

Debris Management: Implement regular removal of debris such as leaves, litter, and branches from water bodies to maintain water quality and aesthetic appeal.

Water Circulation Management: Ensure effective water circulation and aeration to prevent stagnation, which can deplete oxygen levels and cause unpleasant odors. Consider installing fountains or aerators to enhance water movement and maintain overall water quality.



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Maintenance of Distribution Systems:

Routine Inspection: Regularly examine the entire water distribution system, encompassing pipes, valves, pumps, and storage tanks, to detect leaks, corrosion, or any potential issues.

Leak Detection Program: Establish and implement a leak detection program utilizing advanced technologies such as acoustic sensors to swiftly identify and resolve leaks. This proactive approach minimizes water loss and prevents infrastructure damage.

Valve and Pump Maintenance: Conduct regular servicing and maintenance of valves and pumps as per manufacturer guidelines. This includes routine lubrication, calibration, and thorough inspection to identify and address any signs of wear and tear promptly.

Water Quality Monitoring: Consistently monitor water quality throughout the distribution system to uphold safety standards. Promptly address concerns such as bacterial contamination or chemical imbalances to maintain safe drinking water for all users.

Pressure Regulation: Ensure consistent water pressure across the distribution system to prevent leaks and ensure reliable service. Install and maintain pressure-reducing valves as necessary to regulate pressure levels effectively.

Emergency Preparedness: Develop and periodically update emergency response plans for potential failures or contamination incidents in the water distribution system. Conduct regular training sessions to ensure all staff are proficient in emergency procedures and ready to respond effectively.

Water Metering: Install and maintain water meters at strategic points throughout the distribution system to accurately monitor water usage and detect potential issues early.

Water Conservation: Encourage water conservation initiatives on campus to alleviate pressure on the distribution system and decrease water wastage.



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Regular and proactive maintenance of water bodies and distribution systems is essential for ensuring the long-term sustainability, functionality, and safety of water resources on a university campus. This practice not only supports environmental sustainability goals but also contributes to creating an aesthetically pleasing and inviting campus environment.



RO System water body management



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RO Water Storage Maintenance system



RO Water refrigeration maintenance System



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RO Water refrigeration maintenance System



RO Water Supply Maintenance to Output Points



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RO Water Supply Maintenance to Output Points