



# ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(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

7.1.3 - *Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste.*

## Institute Environmental Policy



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## ENVIRONMENTAL POLICY

### Preamble

Article 51-A of the environmental policies of the Government of India states that “It shall be the duty of every citizen of India to protect and improve the natural environment including forests, lakes, rivers, and wildlife and to have compassion for living creatures.” In alignment with this, Annamacharya Institute of Technology and Sciences (AITS), Rajampet, is committed to achieving a sustainable environment through deliberate actions leading to significant progress. The purpose of our educational practices is to integrate environmental sustainability into the daily lives of everyone associated with the institute. Our environmental policy includes various objectives and practices designed to reduce our carbon footprint and make our campus 'green, clean, and sustainable.' We recognize that the existence of all life on Earth is intertwined with a sustainable environment, and at AITS, we are dedicated to fostering this understanding among our students.

### Objectives

- To protect and nurture the flora and fauna on the campus.
- To maintain a green campus by regularly conducting ‘green audits.’
- To raise awareness regarding environmental issues, energy conservation, recycling of resources, tree plantation, and the university’s environmental policy.
- To monitor environmental parameters such as air, water, and soil.
- To implement stringent checks on pollution levels and maintain a plastic-free campus.

### 1. Water Management

- Implement effective management strategies to conserve water and minimize its usage.
- Ensure the use of minimal water necessary for activities and maintain the purity of water used and disposed of.



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- Conduct a continuous water conservation program to track usage, prevent leaks, and eliminate excessive or unnecessary use.
- Install rainwater harvesting systems in all campus buildings for groundwater replenishment and water self-sufficiency.
- Support artificial recharge and the restoration of traditional groundwater recharge processes.
- Encourage the reporting of leaks and prompt repairs.
- Employ a caretaker to promptly address any water leaks from taps, pipelines, tanks, and toilet flushes.
- Promote efficient water use techniques, such as sprinkler or drip irrigation, in gardening activities.
- Conserve water by installing more Indian-style toilets rather than Western-style toilets.
- Use grease trap mechanisms to prevent the release and mixing of oil from canteen liquid waste into the municipal drainage system, reducing the biochemical oxygen demand in the effluent wastewater.
- Reuse wastewater generated by reverse osmosis (RO) systems in washrooms.

## 2. Solid Waste Management

- Strive to minimize waste creation by reducing the procurement of new materials, reusing and recycling existing materials, and disposing of waste with minimal environmental impact.
- Prohibit the use of plastic on campus.
- Place waste containers/dustbins where needed.
- Compost solid waste from canteens, guest houses, and hostels.
- Handle, transport, and dispose of hazardous and e-waste properly.
- Minimize the use of hazardous chemicals and toxic hygienic compounds.
- Commit to a comprehensive recycling program as the final stage in solid waste reduction and turning waste into a resource.
- Separate, recycle, and utilize solid wastes, and build a waste-to-composting system.



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### **2.3. Environmental Education**

- a) Annamacharya Institute of Technology & Sciences, Rajampet will incorporate sustainability and environmental education into the curriculum and campus culture, encouraging students, faculty, and staff to become responsible citizens of India.
- b) We will offer opportunities for research, coursework, and hands-on learning focused on sustainability.

### **2.4. Sustainable Transportation**

- a) Annamacharya Institute of Technology & Sciences, Rajampet will encourage sustainable transportation options such as public transit, cycling, carpooling, and the use of electric vehicles on campus.
- b) We will continue to enhance infrastructure to support sustainable commuting.

### **2.5. Waste Reduction and Recycling**

- a) Annamacharya Institute of Technology & Sciences, Rajampet will institute programs to reduce waste and promote recycling to minimize landfill waste.
- b) We are committed to actively advocating for the reduction of single-use plastics across campus.

### **2.6. Green Building Practices**

- a) Annamacharya Institute of Technology & Sciences, Rajampet will adopt green building standards and practices, for new construction and renovations.
- b) We will implement energy-efficient technologies and sustainable materials in building projects.

### **2.7. Biodiversity Conservation**

- a) Annamacharya Institute of Technology & Sciences, Rajampet will preserve and enrich biodiversity on campus through conscientious landscaping, habitat restoration, and conservation initiatives.
- b) We are committed to reducing the application of harmful pesticides and chemicals across Institute grounds.



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- Engage in the 3Rs of environmental friendliness systematically (Reduce, Reuse, Recycle).
- Collect and recycle paper waste generated on campus in collaboration with scrap merchants.
- Develop technology-centric educational and administrative strategies to reduce solid waste.
- Support the digitization of attendance and internal assessment records to reduce paper consumption.
- Update the university library's e-books and e-journals collection to reduce the need for printed books.
- Encourage students and teachers to submit assignments via email.
- Raise awareness about food waste and strategies to reduce it.
- Minimize the use of packaged foods and promote the habit of reusing and recycling non-biodegradable items.
- Organize solid waste management workshops for students.

### **3. E-Waste Management**

- Ensure that the use of technology and the generation of e-waste have no negative environmental impact.
- Arrange for proper disposal of university e-waste.
- Collaborate with e-waste recycling firms to recycle electronic waste.
- Raise awareness among students about e-waste reduction and environmentally responsible disposal techniques.
- Encourage e-waste management initiatives at departmental and societal levels.

### **4. Air Quality Management**

- Maintain good green cover to enhance carbon dioxide sequestration.
- Initiate a "No Vehicle Day" once a month.



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### **7. Environment Management System**

- Establish an environmental management system (EMS) such as ISO 14000, adopting standardized environmental management practices, documenting their use, and obtaining credible third-party verification.
- Promote EMS adoption by prioritizing ISO 14000 goods and services in procurement.

### **8. Environmental Audit**

- Commit to meeting the requirements of environmental audits and provide training for staff and students.
- Collaborate with auditing organizations and stay informed of global developments.
- Conduct regular green audits to analyze strengths and weaknesses and advance long-term sustainability goals.

### **9. Environmental Education, Training, And Awareness**

- Promote outreach and education to ensure all campus community members understand and support the policy's goals.
- Support awareness campaigns, seminars, workshops, conferences, and other interactive sessions to implement green campus, energy, and environment policies effectively.

### **Environment-Centric Student Societies and Department Activities**

- Encourage departments and student societies such as the Green Society, NSS, and NCC to hold events, competitions, and training sessions to foster environmental awareness.
- Collaborate with departments and student clubs to help students become active environmental protectors.

### **Conduct Green Audit**

- Undertake regular green audits to assess energy, water, and resource usage.



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- Use lawns and grasses in open spaces to reduce dust.
- Encourage the use of public transportation and carpooling to reduce pollution and increase social engagement.
- Restrict automobile access on campus to discourage the use of personal vehicles.
- Prohibit smoking and the use of tobacco products in accordance with the National Tobacco Control Programme (NTCP) 2007-2008.
- Promote walking, cycling, and the use of public transportation to reduce the environmental impact of traffic.

## **5. Reduce Carbon Footprint**

- Encourage the implementation of various carbon-reduction measures.
- Design energy-efficient green buildings that monitor temperature and utilize natural light.
- Implement the Reduce, Reuse, and Recycle (RRR) approach to achieve zero waste.
- Promote green computing to reduce paper usage.
- Implement "No Vehicle Days" and encourage the use of electric vehicles.
- Use energy-efficient, sensor-regulated lighting and equipment.
- Increase greenery on campus.

## **6. Acquisition Of Sustainable Resources**

- Demonstrate commitment to environmental stewardship through resource purchase decisions.
- Seek items and services that have the least environmental impact in their production, distribution, packaging, usage, reuse, recycling, and disposal.
- Avoid using potentially dangerous substances and encourage suppliers to improve environmental performance.
- Prioritize products with eco-certifications and labels that verify their environmental friendliness.



College Code : 70

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- Identify waste minimization initiatives and recycling projects.
- Promote environmental principles and ethics while raising health awareness.
- Save money by reducing resource usage through green auditing.

### Plastic-Free Campus

- Prohibit the use of single-use plastics to comply with the Indian government's ban.
- Coordinate cleanliness initiatives in line with the Swachh Bharat Abhiyan.
- Educate students and staff about cleanliness and hygiene through frequent drives.
- Involve NSS, NCC, and Green Society volunteers in Swachh Bharat Abhiyan activities.
- Encourage staff participation in cleanliness drives.
- Organize competitions, rallies, and workshops to promote cleanliness and waste management.

### Landscaping Initiatives

- Enhance the campus environment to reflect the institute's values.
- Provide opportunities for study, recreation, and aesthetic enjoyment.
- Support groundwater recharge, control runoff, and improve air quality through green campus landscapes.
- Maintain extensive green cover to support biodiversity.
- Organize regular tree plantation drives and encourage student involvement in planting activities.

The Annamacharya Institute of Technology and Sciences is dedicated to fostering a sustainable environment through comprehensive policies and practices, ensuring that all community members contribute to a greener, cleaner, and more sustainable future.



*Sree Narayana*  
PRINCIPAL