

# **UNNAMALAI INSTITUTE OF TECHNOLOGY**

**Suba Nagar, Kovilpatti-628502**

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

An ISO 9001:2015 Certified Institution

## **POLICY DOCUMENTS**

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The following policies are included for

1. Energy Policy
2. Waste Management Policy
3. Water Management Policy
4. Green and Environment Policy
5. Barrier Free Environment Policy



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## ENERGY POLICY

### 1. Purpose

Environmental and energy-harvesting methods are currently of the utmost importance in order to meet the sustainable development goals (SDGs) for any firm. Rapidly rising energy consumption is another prominent factor. The UIT energy policy conforms to the promotion of renewable energy sources, preventing the depletion of fossil fuels and increasing the sustainability of the world. By creating best practices that enable energy usage to be efficiently controlled inside the company, the energy policy specifies the process of energy awareness and conservation. The organization's energy conservation goals are realized by using the pool of resources and procedures specified in the energy policy. By lowering the cost of energy use, it benefits the administration and strengthens the sustainability of the company. It also outlines the obligations and roles.

### 2.Scope

Energy strategy pertains to all organization stakeholders in order to produce a green and sustainable environment.

### 3. Policy Statement

- The stakeholders of UIT are responsible for educating themselves about the Organization's energy saving efforts, which are monitored and managed by the Institute's energy policy.

The following objectives to be met in order to implement the Energy conservation in the organization:

- Efficient energy use to conserve time and money.
- Reduce energy consumption by using energy-efficient equipment.
- Utilize natural ventilation and lighting as much as you can.
- Promote the usage of renewable energy.
- When not in use, turn off the machinery.
- Encourage the stakeholders to conserve energy in a positive way.
- Change when non-priority loads are used to off-peak times.



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- Energy efficiency activities in the supply and demand systems are a part of the campus's overall energy management.
- Ensure adequate supply backup.
- The progressive substitution of current incandescent lamps by LED versions.
- The organization's policy will be examined and revised frequently, and its execution is ensured.
- To maximize ventilation from nature and energy replacement while reducing energy resources.
- Solar panels are installed in our college canteen for domestic purposes, such as lights and fans.
- Using energy-efficient tools and LED lights in place of fluorescent lighting.
- To save energy, install LED bulbs throughout the college campus.
- When not in use, turn off the machinery and computer systems.
- The organization's policy will be examined and revised frequently, and its execution is ensured.
- Using sensor based LED's for efficient energy use.

#### 4. Effective Measures

- Identify potential energy-saving strategies that organizations could implement.
- Assess the appliances' energy efficiency.
- Examine electricity usage using utility bills, and occasionally set a benchmark for energy conservation.
- Designate one of the team members as the energy manager, and educate him on the need of energy conservation.
- All parties involved should adhere to energy policies and prioritize energy conservation.
- Renewable energy sources such as solar and energy-efficient machinery.
- The use of water irrigation techniques and rainwater gathering systems.
- Alternative energy sources like solar power.
- Using energy-efficient tools and LED lights in place of fluorescent lighting.



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- Pedestrian-friendly routes and the use of bicycles and battery-powered vehicles.

## 5. Problem-solving

- Establish a practice of "green campus audit," "environment audit," and "energy audit" in the college.
- Teach students and staff members the value of the environment, water, air, soil, energy, cleanliness, and other related topics.
- Informational campaigns encouraging people to avoid using plastic, plant more trees, preserve the vegetation and topography of the natural world, and use less electricity.
- Construction of water reservoir and tanks.

and bogs inside the Organization campus. • Installation of a rainwater harvesting system.

- Put into practice the Swachh Bharat Abhiyan (Clean India Mission) goal of the green campus ethos.

## 6. Responsibility

The Principal, Department heads, faculty, and staff member including representatives, are in charge of overseeing the college's green efforts and maintaining a clean, green campus. The staff and student volunteers from UIT clubs and NSS units are also in charge of carrying out the institution's green campus and environmental policies.

Place: *Kovilpatti*

Date: *20/03/23*

Signature of the Head of the Institution

PRINCIPAL  
Unnamalai Institute of Technology  
Suba Nagar, KOVILPATTI - 628 502  
Thoothukudi (Dt)



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## WASTE MANAGEMENT POLICY

### 1. Introduction

Through the pursuit of excellence in teaching, innovation, lifelong learning, cultural enrichment, and outreach programs, UIT is dedicated to transforming lives and serving society. In order to reduce its environmental impact and provide a safe and healthy working environment for teaching and non-teaching workers, students, and visitors, UIT recognizes the importance of sustainable and holistic waste management. By implementing appropriate waste segregation systems at the source and, if possible, turning it into value-added environmentally friendly products, UIT has a responsibility to make sure that all garbage generated on campus is disposed of appropriately.

One of the difficulties educational institutions must overcome in achieving sustainability goals is waste management. Updated Solid Waste Management (SWM) Rules were released by the Union Ministry of Environment, Forests, and Climate Change (MoEF&CC) in 2016, and they are applicable to all solid waste generated on the property. Technologies have emerged in recent years that not only aid in creating significant amounts of decentralized energy while simultaneously lowering the amount of garbage needed for safe disposal.

### 2. Features in the campus:

- A facility for material recovery
- Equipment repair, reuse, and regular maintenance to ensure sustainability
- Recycling and e-waste management;
- Sanitary waste
- Awareness campaigns for waste management through NSS

### 3. Waste Management Policy statement

Through efficient waste management and sustainable practices, UIT is committed to reducing its negative environmental consequences. Campus works to achieve a Zero Waste plan and earn its eco-friendly certification by following the "reduce, reuse, and recycle" policy.

4. Objectives of the policy are:



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- Cutting down on the use of natural resources.
- Reducing and eliminating waste production.
- Waste reduction, reuse, recycling, and resource recovery.
- Ensure that garbage is separated at the source.
- Cleaning up rubbish and properly discarding it to lessen pollution.
- Promoting and ensuring efficient waste services delivery.
- Achieving integrated reporting and planning for waste management.
- Use awareness initiatives to make sure that the stakeholders are aware of how trash affects their health, wellbeing, and the environment.
- Raise customer awareness of problems with waste minimization.
- Ensure environmental preservation through efficient trash management.
- Promote waste-to-energy alternatives through initiatives and research.
- Conduct routine internal waste management audits to make sure that the college's various waste management systems are continually monitored and evaluated.
- The Institution Waste Management Cell oversees routine monitoring and follow-up procedures to ensure effective implementation at the departmental level.
- Educate the institution's faculty, non-teaching staff, students, and housekeeping staff so that it becomes a leader in energy conservation.
- Regularly review the policy.
- The campus is compared to eco-friendly standards.

## 5. Responsibilities and Roles

The members of the waste management team are:

- Principal
- Administrative Officer
- NAAC Coordinator
- Faculty Members from all department



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- Plumbing Supervisor at UIT

The team should implement the action plan and make sure the waste management strategy is set up and carried out as effectively as possible.

## 6. Action Plan-Waste Management Plan

- To ensure efficient implementation, form the Waste Management Cell with representation from all departments.
- Regular evaluation of resource consumption and waste production.
- Regularly quantify, monitor, and assess the campus's waste production, disposal, and collection systems.
- Before moving on to the replace and recycling stage, reduce e Waste as much as feasible through proper maintenance.
- Ensure that laboratory and hazardous waste generated on campus is disposed of properly.

Place: *Kovilpatti*

Date: *02/03/23*

**Signature of the Head of the Institution**

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## WATER MANAGEMENT POLICY

### 1.INTRODUCTION

All field operations involving water are covered under the UIT's water management policy.

On campus, there are a number of water-saving systems that provide drinking water to the entire institution's huge academic population. To guarantee the quality of the water delivered from the distinctive sources of the water conservation system at UIT, water management policy is necessary. The primary requirement for life is water. It affects all aspects of daily life, including home, agricultural, and socioeconomic activity.

### 2.OBJECTIVES

- To supply enough water to suit the needs of the campus.
- To always have access to reliable, safe, and clean drinking water.
- To make surface and groundwater jointly managed and to permit water storage.
- To ensure groundwater recharge while guarding against overdraft of groundwater resources.
- To prevent the contaminating of groundwater supplies.
- To control excessive erosion and manage sedimentation.
- To develop recreational possibilities involving water resources;
- To take out initiatives to increase public awareness of climate change
- To improve monitoring networks and information sharing to assist proper management of watersheds through community outreach

### 3.PROCEDURE

- To develop and put into effect the UIT's water management policy, a team is constituted. The crew should routinely visually evaluate all of the campus' water conservation measures. This team basically makes sure that the drinking water quality is regularly monitored, the water distribution infrastructure is maintained, and the waste water is used effectively.
- The layout of the water distribution system should be created.



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- The water demand, water waste, and amount of water in the reservoirs should all be calculated on a regular basis.
- The crew can detect potential hazards in the water distribution system with the aid of this map. A current plumbing drawing should be accessible to evaluate the plumbing's performance be created to safeguard and restore the water in the reservoirs and to enhance the plumbing.

## 4.ROLES

The members of the water management team are:

- Principal
- Administrative Officer
- NACC Coordinator
- Faculty Coordinators from all departments
- Plumbing Supervisor at UIT

## 5.RESPONSIBILITIES

- Hold regular meetings and evaluate the policy.
- All conservation systems' water levels should be monitored, and the water's quality should occasionally be checked.
- Action must be taken to raise the water's quality.
- Hold workshops and seminars to educate students and the broader public about conserving natural resources and minimizing water waste.

Place: *Kovilpatti*

Date: *23/03/23*

**Signature of the Head of the Institution**

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## GREEN AND ENVIRONMENT POLICY

### 1. Purpose

The purpose of the green campus and environment policy is to inform and raise awareness among the interested parties about the need of preserving a clean, green environment.

### 2. Scope

This policy is applicable to both the faculty and students at our college in order to foster an environmentally friendly campus.

### 3. Policy making

The campus is kept clean by properly disposing of waste. The campus won't have any hazardous waste because ecologically friendly products are used. Through a variety of seminars, conferences, and awareness campaigns, as well as the rural community. The use of non-renewable energy sources must be replaced with renewable ones in order to reduce energy consumption.

### 4. objectives

1. To expand the campus's plant population in order to increase oxygen production and carbon dioxide absorption.
2. To work as Carbonize to create a pollution-free environment by setting up a proper waste management system, establishing a protocol for disposing of all waste types, and using greenery to offer clean air.
3. To use alternative energy sources such as solar energy.
4. Encourage Students to employ rainwater harvesting systems for their future requirements, which will help to boost ground water levels.
5. To ensure that the campus is green by planting a lot of trees, herbs, shrubs and lawns. This will help to reduce environmental pollution and soil erosion and will also help to manage the landscape, conserve biodiversity, and maintain the campus's natural topography and vegetation.

The organization guarantees:

- Its dedication to sustainability and an environment management system, as well as its recognition of the college's environmental activities and threats to public health.



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- A dedication to protecting the environment for future generations by preventing pollution and continually enhancing environmental performance.
- A dedication to ensuring the safety of students and employees by fostering an environmentally conscious culture and finding long-term solutions to environmental issues that address various social and economic demands.
- Put into effect the green campus objectives through environmentally friendly practices, education, and promotion of sustainable, eco-friendly, and user-friendly technologies on campus.
- Using alternative energy sources, such as solar energy, sensor-based energy conservation, and the usage of LED bulbs and other energy-efficient equipment, in the process of energy auditing.
- Creation of a pollution-free environment through the restriction of other vehicles, the use of bicycles and battery-powered vehicles, the creation of pedestrian-friendly walkways, the prohibition of the use of plastics, and the landscaping with trees and plants.
- Water conservation through the use of bore well recharge and building of tanks irrigation system.

## 5. Effective measures

### Green campus

- Landscape design with more than 50 % of the land covered with trees, bushes, and herbs.
- Increase the number of plants that absorb carbon dioxide and produce oxygen.
- A campus that is largely green and free of pollution.
- Preservation of biodiversity, management of the terrain, topography, and vegetation.

### Environment friendly campus

- Providing stakeholders with an eco-friendly environment.
- Ensuring that students and faculty have access to clean drinking water.
- All single-use, non-compostable plastic goods were removed from the campus.
- Steer clear of single-use plastic items like stirrers, straws, and utensils.



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- Providing new and continuing students, staff, and teachers with information about the commitment to plastic-free alternatives.
- Lessening the usage of paper and replacing it with e-services, e-circulars, etc.
- An appropriate waste management system and proper garbage disposal.

## Energy efficient campus

- Automobiles are not allowed within the campus and are only permitted up to the parking lot. The campus has user-friendly technology.
- Promoted the use of bicycles and electric automobiles
- Energy efficiency, consumption reduction, and energy conservation.

## **6. Problem -Solving**

- The organization is educating its stockholders about its commitment to a sustainable energy campus.
- Hosting seminars and workshops to inform the Students about the importance of energy management and conservation.

## **7. Responsibility**

- Monitoring the energy-saving measures put in place in the college and keeping the campus as energy-sustainable fall under the purview of the Principal, Department heads, faculty and staff members. The stakeholders in the institution are in charge of carrying out the energy policy.

## **8. Implementation**

- By successfully executing the campus energy strategy, the stakeholders of the college are given access to an environmentally pleasant atmosphere.

Place: *Kovilpatti*

Date: *21/03/23*

**Signature of the Head of the Institution**

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## BARRIER FREE ENVIRONMENT POLICY

Date of Implementation: 07 / 07 / 2009

### 1. Introduction

The Institute strives to make its administration, activities, and programs accessible to students. To secure the advantages of ground programs, all of the institute's authorities are working to lend a helping hand to the disabled activities and administrations. In February 2006, the Indian government created the National Policy for Persons with impairments, which focuses on the educational rehabilitation of people with impairments. As a result, UIT has adopted these policies in the process of teaching and learning. The college strives to provide an atmosphere that offers equal opportunity, protection of their rights, and full participation for individuals with disabilities since it acknowledges that they are vital human resources for the Institution.

The Government of India passed the Persons with Disabilities (Equal Opportunities, Protection of Rights and Full Participation) Act, 1996, on January 1, 1996. Its main goals are to remove barriers for people with disabilities and to make special provisions for their integration into society. It mandates that establishments construct amenities for the advantage of those with vision impairments, slopes in the pavement for wheelchair users to easily use, appropriate emblems of disability, and warning lights at strategic points within their means of support. In order to prevent prejudice in the built environment, arrangements have been made for ramps and elevators in academic buildings, restroom modifications for people in wheelchairs, and appropriate signage.

### 2. Objectives:

- To provide a supportive and inspiring atmosphere for students with learning difficulties in order to meet their pedagogical needs.
- To guarantee that students with disabilities receive equal opportunity to discover their educational potential.



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### 3. The focus of the policy is on the following:

- To guarantee that persons with disabilities can access the building's design, including ramps.
- To guarantee that restrooms for the disabled are accessible, gender-sensitive, secure, useable, and functioning.
- Making ensuring that the appropriate text and pictogram signs, such as tactile walkways, lights, display boards, and signposts, is required and placed so that it is both visible and touchable.
- The application of masculine and feminine symbols with heightened outlines and vivid colors in accordance with regional standards and conventions. Everyone will be able to see contrast more clearly, which will be especially beneficial for those who have visual problems.
- It's important to provide learners with disabilities with the necessary resources, assistive technology, leadership, teaching staff, and college communities to help them both inside and outside of the classroom.
- Human assistance, a reader, a scribe, soft copies of reading material, and screen reading are available for inquiries and information.
- To foster an inclusive culture to prevent exclusion, exploitation, and discrimination against workers and students with disabilities in all areas of employment and education.
- To provide an appropriate regulatory framework for the successful provision of services to the institute's staff and students with disabilities.
- To guarantee the full inclusion of people with disabilities and to give them equal development chances.

### 4. Accessibility Policy

- To make the campus more accessible for people with disabilities, the institute should implement a number of measures.
- Each individual with a disability should get appropriate and reasonable accommodations, and the administration and staff of the institute should be willing to address any access issues. The
- campus should be accessible to people of all abilities and barrier-free.



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The following principles of accessibility will be strictly observed:

- To equip all disabled students with accessible textbooks and study resources.
- To ensure that all teaching staff and non-teaching employees receive training on accessibility problems.

## 5. Exam Policy

The educational plan and assessment framework shall be modified by UIT in a reasonable manner to meet the requirements of students with impairments. To accommodate the requirements of the sizable number of students with disabilities, reasonable accommodations will be made. The examination department has released the norms and regulations for usage during exams.

Accessibility and access Audit for persons with Disabilities:

- Students and employees can use the facilities.
- Toilets and ramps
- According to government regulations, facilities are occasionally given.
- Sessions on disability sensitization are included in the program for new hires and students.
- The institution has a barrier-free, disabled-friendly environment.
- Audio Books.

People with disabilities can move around safely and freely in the built environment and enjoy the amenities thanks to UIT's barrier-free environment. The surrounding environment encourages people to function independently so they can take part in campus life without assistance. Structures, location, and transportation the following features make systems barrier-free.