

# **POLICY ON GREEN CAMPUS**



**Utkal University**  
**Vani Vihar, Bhubaneswar 751004**  
**Odisha**

## **PREAMBLE**

The increasing level of air, soil and water pollution and their severe consequence is a growing concern to all. The State and Central agencies are in view that every educational institute should maintain sufficient levels of greenery and adopt green practices in the campus to create an ideal habitable and educational environment. This will not only add into the fresh air of the ambiance but also create an eco-friendly environment to increase the efficiency of all stakeholders. The green campus concept offers an institution the opportunity to take the lead in redefining its environmental culture and developing new paradigms by creating sustainable solutions to environmental, social and economic needs of the mankind.

Utkal University, established in the year 1943, is located on a sprawling 399.9 Acre area in the heart of Bhubaneswar. About 40% of the total area is covered with vegetation of various species. Being situated in a cyclone area, the University has faced severe cyclones like Super cyclone (1999), FANI (2019) etc. causing devastation in the campus. Maintaining adequate green coverage in campus is a great challenge to University authority. Besides, there is a need to maintain campus environment eco-friendly by adopting green and sustainable practices for academic ambience.

## **AIMS AND OBJECTIVES**

The following objectives are set to promote the green initiatives and maintain the campus green

- To promote sound environmental management policies and practices throughout the University.
- To protect and conserve ecological systems and resources within the campus.
- To reduce and, where practicable, prevent pollution.
- To work with all stakeholders and the local community to raise awareness and seek the adoption of environmental good practice and the reduction of any adverse effects on the environment.
- To conduct environmental and energy audits from time to time and implementation of recommendations as far as possible towards creating green campus.
- To make adequate fund provision in Annual budget of the University for implementation and maintenance of green initiatives.

## **SCOPE OF THE POLICY**

The University shall focus in the following areas/initiatives/activities under the scope of Green Policy

## **CLEAN CAMPUS INITIATIVES**

- University shall conduct cleanliness drive in the campus and beyond the campus involving students, staff, NSS volunteers and alumni at regular intervals as per mandate of Swachh Bharat Abhiyan.
- Create awareness among all stakeholder of University on cleanliness and hygiene.

- Organisation of events such as poster/competitions, rallies, seminars/ workshop/ lectures, commemoration of days such as Environment day, Bana Mohatsav, Ozone essay writing etc. in the campus.
- Administer of the pledge by students and staff members once in a year to maintain cleanliness of the campus and its surrounding.
- Ban on single use plastics in the campus
- Promote for 3Rs: Reduce, reusing and recycling of waste.

## **LANDSCAPE AND BIODIVERSITY INITIATIVES**

- Enhancement of green cover by landscaping with trees and plants
- Plantation drive at regular intervals and on special occasions
- Preserving old trees and protects them to have prolonged life.
- Build campus garden with herbs/flower
- Encouraging all stakeholder to support and participate in ensuing green cover in the campus

## **CLEAN AIR INITIATIVES**

- Restricted entry of vehicle and promoting the use of bicycle in the campus and provision of pedestrian friendly pathways in all sections.
- Avoid burning of dry leaf litres and solid wastes.
- Regular monitoring air quality in the campus through air-monitoring system installed in Department of Botany.
- Promote for use of bicycle in the campus

## **INFRASTRUCTURAL INITIATIVES**

University shall take appropriate measures and budgetary provision to develop new infrastructure or maintain the existing infrastructure to make the campus eco-friendly and sustainable.

### **Renewable Sources of Energy**

The University believes in reducing the consumption of electricity produced by non-renewable resources by partially switching to clean energy sources such as solar energy for different purposes like lighting the campus, water heating etc. and bio gas from wastes for cooking in phase wise manner. The University has already installed some solar panels on rooftops in different buildings and for street lights and shall initiate to enhance the capacity.

### **Energy Saving and Energy Efficient Equipment**

The University promotes to install environment-friendly electrical appliances that save energy and reduce wasteful inefficiencies. The University shall adopt the following practices to save electrical energy.

- Optimisation of ventilation and air-conditioning in all new building. The University has taken this measure since 2014.

- To reduce the brightness of computer screens and turn PCs off or into stand-by mode when idle
- Installation of automatic movement sensors to switch off lights in buildings/street lights.
- Installation of energy efficient electrical appliances including LED lights. .

### **Water Conservation**

- Install/replace with water efficient fixture/fittings in phases for low water consumption.
- Periodic maintenance fitting/fixture in water pipelines to prevent leakage/wastage of water.
- Recycling plant for wastewaters and use recycled water for plantation/irrigation purposes.
- To take appropriate measures to replenish the groundwater table through rainwater harvesting, open well recharge, harvesting pond recharge etc.
- Promote to sustainability project such as use of rainwater to flush toilets
- To conduct annual water audit and submit the report to the authority for necessary action.

### **Green Buildings**

Consumption of electricity for light, fan, Air conditioner and running other electrical appliances contribute major share to overall electrical consumption. Construction of green building with provision of sufficient light, ventilation and use of appropriate construction materials can significantly reduce the electrical consumption. University shall make every effort to promote for green buildings as per environmental standard all future construction to save electrical energy.

## **WASTE MANAGEMENT PROCESSES**

The University shall ensure minimal impact on the environment due to wastes generated in the campus and their proper management. It will systematically engross the 3Rs of environment: Reduce, Reuse and Recycle of wastes. Depending on the type of wastes, the University set general guidelines on management of wastes.

### ***Solid Waste Management***

- Proper segregation of degradable/non-degradable wastes. Management of degradable waste through bio-composting and disposal of solid non-degradable wastes to collection unit BMC.
- Disposal of Chemical/biological wastes as standard protocol.
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- Effective promotion to digitization in activities like attendance, internal examination, e-governance, technology-centric teaching
- Promote for e-resource instead printed book and journals in library
- Encourage the students and teachers to use emails for assignment submissions.
- To spread awareness amongst students on minimum use of packaged food/avoid waste of food
- Organizing of programme/events for students on solid waste management.
- Disposal of solid wastes like papers, furniture and other items at regular intervals following due protocols,

#### ***Liquid Waste Management***

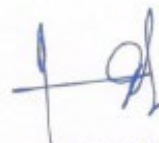
- Minimal use of water as far practicable to generate less liquid waste
- Recycling of waste water through recycling plant and use of recycled water for irrigation.

#### ***E-Waste Management***

- Disposal of e-waste from department/office as per government guidelines.
- Awareness amongst all stakeholders about reduction of e-waste and environment friendly disposal practices for e-waste.
- Promote for by back policy in all departments and offices of the University.

#### **GREEN, ENVIRONMENT AND ENERGY AUDITS**

- The University shall conduct green, environment and energy audit annually by duly constituted committees including internal and external members and submit the report with recommendation to authority for implementation.



**REGISTER,  
Utkal University, Vani Vihar,  
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