



**UNIVERSITY OF ENGINEERING AND MANAGEMENT,
KOLKATA**

**ENVIRONMENT CONSCIOUSNESS, SUSTAINABILITY
AND CLIMATE ACTION POLICY**

University Campus

University Area, Plot No. III, B/5, New Town Rd, Action Area III, Newtown, Kolkata,
West Bengal 700160



Consent
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INDEX

S. No.	Particulars	Page
1	Introduction	3
2	Objectives	3
3	Procedure and Practices	3
3.1	Water	3
3.2	Energy	4
3.3	Waste Management	4
3.4	Transportation	5
3.5	Recycling	5
4.	Net Zero Emission Target	6
5.	Approving Authority	7
6.	Review of Policy	7
7.	Compliance	7

ENVIRONMENT CONSCIOUSNESS, SUSTAINABILITY AND CLIMATE ACTION POLICY

This policy is called the Environment Consciousness, Sustainability and Climate Action Policy and is subjected to periodic changes in line with the United Nations Sustainable Development Goals.

1. Introduction

The University of Engineering and Management, Kolkata is strongly committed to high standards of environmental protection and aims to being an environmentally responsible institution. The University responsibly exercises environmental leadership in its vicinity. The University and all its constituent units are committed to continually improve and adapt strict environmental norms in all the activities. This policy is an effort of the university towards making environment friendly and sustainable campus by implementation of quality Environment Management System.

2. Objectives

The objectives and targets of the policy are *inter alia*:

- Compliance to applicable regulatory requirements pertaining to environment
- Ensuring adequate protection to the environment
- Conservation of natural resources through optimum utilization
- Introducing courses on environmental protection and management
- Enhancing awareness and knowledge of all concerned with respect to above

3. Procedure and Practices

3.1 Water

University of Engineering & Management, Kolkata will strive and work towards developing water conservation and water efficient strategies:

- 3.1.1 Promote water efficiency practices amongst all the stakeholders.
- 3.1.2 Monitor and minimize the University's water consumption.
- 3.1.3 Promote local ecosystem services in and around the University

- 3.1.4 Review opportunities for reducing the use of water, and install alternative water systems on campus wherever feasible.
- 3.1.5 Sustain implementation of innovative water-efficient technologies such as rainwater harvesting, reuse of water etc.
- 3.1.6 Campus shall maintain efforts of students, faculty and staff to implement sustainable water system on campuses.

3.2 Energy

University is determined to implement energy sustainability measures to reduce consumption of non-renewable energy through energy efficient projects/products and energy saving activities which will have positive impact on the environment.

- 3.2.1 Keep vigil at university's electricity consumption and minimize it.
- 3.2.2 Implement the best available energy technology for all new buildings and in existing structures wherever possible.
- 3.2.3 Promote electricity efficiency practices and reduction of the University's carbon footprint to all stakeholders.
- 3.2.4 Conduct energy audits to remove wastage and monitoring of energy use at the campus.
- 3.2.5 Create awareness among students, faculty members and all relevant stakeholders for efficient use of energy (electricity) on campus.

3.3 Waste Management

The University supports sustainable waste management at its campus in many ways -

- 3.3.1 Promote reduce, reuse and recycle waste wherever possible in University at all discharge points on campus.
- 3.3.2 Make use of recycled products wherever feasible.
- 3.3.3 Identify and minimize hazardous wastes on campus.
- 3.3.4 Apply systems for safe and environmentally responsible disposal of wastes (hazardous and general) that cannot be re-used or recycled.
- 3.3.5 Work towards minimizing paper use through promotion of double-sided printing and use of online systems and other efficient technologies.

- 3.3.6 Create awareness for waste reduction practices among all the stakeholders.

3.4 Transportation

The University strives to implement sustainable transportation:

- 3.4.1 University has its own transport facility extended free of cost to the staff and chargeable to all the students availing this facility from all across the city of Kolkata.
- 3.4.2 All staff and student are discouraged from the single occupancy use of private or university vehicles.
- 3.4.3 University owned vehicles shall be operated in such a way as to minimize their impact on the environment.
- 3.4.4 The University encourages the use of bicycles, e-rickshaw or walk through within the campus for students and staff members

3.5 Recycling

- 3.5.1 All faculty members and staff in all offices and departments of University will participate in the recycling effort by following the principles of separation of recyclable and non-recyclable materials and placing them appropriately. Students are also motivated to participate in campus recycling efforts.

3.5.1.1 Common Recyclable objects:

- Newspapers
- Paper
- Aluminum Cans
- Cardboard
- Coffee cups
- Glass bottles
- Plastic bottles/ bags/containers

3.5.1.2 E-Waste and Hazardous Waste: The university shall be committed to take definitive measures to dispose off electronic wastes.

- Carbon batteries
- Cell Phones
- Chemicals (In labs: like paint, solvents, pesticides)
- Chemical storage jugs
- Tube lights/bulbs
- Computers and peripherals
- Electronics items

3.5.2 Recycling committees will monitor progress on recycling with assistance from the Environmental Recycling Subcommittee.

3.5.3 Committee's constitution: University will constitute a committee to oversee the implementation of this policy. The committee has members as

- 1) Faculty member (Professor/Associate Professor) – - Convener
- 2) Two teachers (Assistant Professor) - Member
- 3) Senior Administrative Officer - Member
- 4) IQAC official - Member

The committee shall meet once in six months to deliberate, review and implement environment sustainability matters.

4. Net Zero Emission Target

UEMK is committed to achieving net-zero carbon emissions by 2035 through a strategic combination of renewable energy integration, carbon offset programs, and sustainable operational practices. The university will focus on reducing emissions from buildings, transportation, and will encourage waste reduction and recycling, promote sustainable food and water consumption, while enhancing carbon sequestration initiatives through enhancing green cover in the campus.

To achieve net zero, UEMK will:

- Transition to 50% renewable energy sources such as solar, biogas energy and wind power.
- Improve energy efficiency in all buildings through smart energy management systems.
- Implement large-scale carbon sequestration projects through enhancing green cover, including tree plantations and green walls.
- Promote sustainable commuting options such as electric vehicles and bicycle-sharing programs (already running in trial basis).
- Integrate net-zero goals into research and innovation, encouraging student-led projects on sustainability.
- Strengthen partnerships with local and global organizations for sustainability collaborations.

This commitment aligns with the United Nations Sustainable Development Goals (SDGs), particularly Goal 7 (Affordable and Clean Energy), Goal 11 (Sustainable Cities and Communities), Goal 12 (Responsible Consumption and Production), and Goal 13 (Climate Action). Through these efforts, UEMK aims to become a leader in climate action and environmental sustainability within the academic sector.

5. Approving Authority

Vice Chancellor shall be the approving authority for implementing actions related to environmental sustainability at campus.

6. Review of Policy

The policy shall be reviewed, periodically to ascertain the effectiveness of the implementation of sustainability practices and to explore if any further change is to be made in the policy to improve the existing practices.

7. Compliance

Registrar/Deans/HoDs will implement the policy guidelines. Compliance may be reported in form of periodic report on the measures taken for environmental sustainability implementation. Internal Green Audit Committee will conduct a periodic sustainability audit and external audit periodically through competent auditors to ensure compliance of the policy.