

GREEN CAMPUS POLICY

Introduction

Today the entire world is facing the problem of environmental degradation which is causing depletion of resources such as quality air, water and soil; the destruction of ecosystems; habitat destruction; the extinction of wildlife; and pollution. Environmental changes are based on factors like urbanization, population and economic growth, increase in energy consumption, excessive use of fossil fuel, undue use non-biodegradable materials and agricultural intensification. The degradation has adverse impacts on humans, plants, animals and micro-organisms. To cope up with the critical situation, we need to make optimum use and management of resources, sustainable development, adoption of green concept and above all community participation in all developmental activities.

Scope

The Green Campus Policy will lead to formulation of certain procedures, process and co-curricular and extracurricular practices that encourage all the stake holders of the Institute to take the lead in creating positive change. These initiatives call for a thorough review of all infrastructural, administrative functions from the standpoints of energy efficiency, sustainability and the environment. Following are the some of the focus area of the policy.

- Energy Conservation
- Use of renewable energy through solar systems.
- Rain water Harvesting.
- Solid Waste Management.
- Sewage Treatment and Recycling Plant
- E-Waste Management.
- Environmental Awareness campaign.
- Green Audit & Energy Audit.
- Plastic-Free Campus

Objectives of the Policy

- To protect and conserve ecological systems and resources within the campus.
- To ensure judicious use of environmental resources to meet the needs and aspirations of the present and future generations.
- To integrate environmental concerns into policies, plans and programmes for social development and outreach activities.
- 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 continuously improve our contribution to climate protection and adaptation to climate change and to the conservation of global resources.
- To continuously improve the efficient use of all resources, including energy and water, and to reduce consumption and the amount of waste produced, recovering and recycling waste where possible.
- To make the campus plastic free.

- To conduct environmental/Green audit and energy audits from time to time.
- To minimize the use of paper in administration through having policy for E-governance.

Policy

ATME College of Engineering is committed for conducting their operations and activities in an environmentally responsible and sustainable manner. ATMECE is committed to complying with all applicable laws and regulations of both Central and State Government. We recognize that reducing and, where possible, eliminating the environmental impacts of our activities is an important part of our operations. We strive to be a leader among the Education Institutes in achieving environmental excellence and will work with our both internal and external stake holders to establish and follow principles, of Sustainable Environmental practices.

The guiding principles and practices to achieve resource conservation, waste reduction, and sustainability overall are summarized below:

- Comply with mandatory requirements and conduct our activities and operate our facilities within applicable environmental laws and regulations.
- Conserve energy and other natural resources.
- Reduce, reuse, and recycle to reduce waste.
- Minimize the production of hazardous waste.
- Adopt green procurement practices.
- Ensure all employees complete the environmental awareness training.
- Adopt Green Audit & Energy Audit to minimize the impacts of our activities on environment.

CLEANLINESS OF CAMPUS.

ATMECE is committed for cleanliness and hygiene in the college and beyond the campus in accordance with the vision of Swachh Bharat Abhiyan. It commits to continue with this Programme. The broad vision is as follows:

1. Generating mass awareness on cleanliness and hygiene amongst students and staff members by holding regular cleanliness drives. The idea is to motivate them to contribute in a proactive manner.
2. Cleanliness drives are organized involving NSS, NCC and other student bodies' and volunteers of the college.
3. Events such as poster and slogan competitions, essay writing, poetry, speeches, and skits on importance of cleanliness will be organized.
4. Administer of the pledge by students and staff members to maintain cleanliness of the college campus and its surrounding areas on an annual basis.
5. Commit to manage waste and maintain clean campus especially during college events.

Landscaping

Landscaping is an important element of the campus which provides outer space for students study, games, exercise, leisure, recreation, outdoor entertainment and aesthetics. Green campus landscapes also manage runoff, help recharge groundwater, and clean and cool the air on campus. The landscape serves as a visual representation

of the campus community's commitment to sustainability. As campus landscapes are so visible and accessible, landscaping initiatives are a great way to build awareness around the environment.

ENERGY CONSERVATION

- ATMECE commit to install environment friendly electrical appliances that save energy and reduce wasteful inefficiencies by adopting energy efficient light like LEDs, low energy fixtures, energy efficient pumping system, energy efficient motors and other equipment, etc.
- In a phased manner all CFL lights will be replaced by energy efficient LED lightings.
- Adopt staggering of electric power loads to reduce maximum demands.
- All the Fans, Lights and Air conditioners will be maintained in the switched off mode when not in use. The slogans insisting the necessity to switch off the Fans, Lights & ACs displayed above to all the switch boards in the campus.
- Activate the power down features on your computer and monitor to enter into a low-power or sleep mode when not in use.
- Unplug equipment that drains energy even when not in use.
- Use the stairs when possible.

USE OF RENEWABLE ENERGY SOURCES

- ATMECE is dedicated to minimize and sustainably manage its use of electricity. The college believes in reducing the consumption of electricity produced by non-renewable resources by switching to clean energy sources like solar energy for purposes like lighting the campus. Utilization of renewable energy sources such as Roof top SPV system connected to grid, Solar streetlights, Solar heaters is encouraged.
- A master plan for entire campus should be prepared keeping in view the overall reduction in fossil-based energy by at least 25% in the next 5 years by utilized renewable energy application, and taking suitable measures for energy conservation and energy efficiency.

WATER CONSERVATION, RAIN WATER HARVESTING & GROUND WATER RECHARGING.

- ATMECE is committed to conservation of water by adopting water saving appliances like, lower flow and sensor taps, low flush toilet tanks, posters & signage reminding importance of water conservation.
- Employment of a caretaker to take immediate steps to stop any water leakage through taps, pipes, tanks, toilet flush, etc.
- Implementation of Ground water recharging system and Collection & Utilization of Rainwater by harvesting the roof top rain water.
- Utilization of recycled water for landscaping & gardening purpose.

SOLID WASTE MANAGEMENT

ATMECE aims to provide holistic education that also has a positive impact on the environment. ATMECE will adopt practices that will mitigate the generation, and manage solid waste through the following methods:

- Systematically engage with the 3 Rs' of environment friendliness (Reduce, Reuse and Recycle).
- Collect paper waste produced on campus and collaborate with scrap dealers for recycling.
- Segregating the solid waste by providing separate dustbins for bio-degradable and plastic waste. Metal waste from the workshop shall be stored and given to authorized scrap agents for further processing.
- Reduce use of paper by supporting digitization of attendance and internal assessment records.
- Reduce requirement of printed books by updating the e-books and e-journals collection of the college library.
- Encourage the students and teachers to use emails for assignment submissions.
- Take initiatives to spread awareness among students about
- Food wastage and ways of minimizing it.
- Minimizing the use of packaged food.
- The habit of reusing and recycling non-biodegradable products.

SEWAGE TREATMENT PLANT

ATMECE is committed for reuse of sewage by properly treating it at the dedicated Sewage treatment plant. Suitable capacity of Sewage Treatment Plant with aeration tank, settling tank, clarifier and a filtered water storage tank. Treated plant will be used for gardening.

E-WASTE MANAGEMENT

E-waste or Electronic waste describes discarded electrical or electronic devices. E-waste typically includes discarded computer monitors, motherboards, Cathode Ray tubes (CRT), Printed Circuit Board (PCB), mobile phones and chargers, compact discs, headphones, white goods such as Liquid Crystal Displays (LCD)/ Plasma televisions, air conditioners, refrigerators and so on. Following are some of the measures adopted in college with regard to E-waste management.

- **Re-evaluate.** Try to avoid an extra gadget with finding one device with multiple functions.
- **Extend the life of your electronics.** Keeping the device well maintained will extend the life thereby avoiding procurement of new one.
- **Buy environmentally friendly electronics.** Look for products labelled Energy Efficient labelled by Bureau of Energy Efficient.
- **Donate used electronics to social programs**—outdated and obsolete computer or any other electronic gadget are donated to social programs.
- **E- Bins:** To manage e-waste, e-bin is installed which will be collected by KSPCB authorized e-waste recycler or e-waste disposer.

ENVIRONMENT AWARENESS TO STUDENTS & PUBLIC

Outreach and education are of utmost importance so that all members of the campus community may value the objectives of the policy and aid in its implementation. This is why ATMECE supports and encourages awareness campaigns, seminars, workshops, conferences and other interactive sessions to facilitate effective implementation of the Green Campus Policies.

ATMECE encourages all the departments and specific student societies like Green society, NSS, NCC and others to organize events, competitions and training sessions that will bring about positive environmental changes at the grass root level. The college supports departments and student societies in moulding the students into active agents of environment protection and conservation.

PLASTICE & SMOKING FREE ZONE

ATMECE has been observing most of its duties in terms of solid waste management since its inception. In view of the Government of India's resolution to ban all single use plastics due to the hazardous impact of plastic use and pollution, the college administration strictly bans the use of single use plastics in its premise to make it a 'Plastic Free Campus'.

In compliance with the framework provided by the National Tobacco Control Programme (NTCP) 2007-08 the college prohibits smoking and the use of other tobacco products. As a step in this direction, smoking and use of tobacco in and around the campus is strictly prohibited. The college ensures enforcement of the anti-smoking policy.