

## ENVIRONMENTAL POLICY

### Introduction

The Green Campus, Energy and Environment Policies will develop exciting new co-curricular and extracurricular practices that encourage students 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

### 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 (nondegradabe) free.

## **Guidelines for Water, Energy and Environment Conservation and Waste Management:**

### ➤ **Timely energy, environmental and green audit**

These audits should be carried out from time to time and necessary corrective measures should be taken

### ➤ **Limited entry of vehicles**

The entry of vehicles in the campus is limited.

Further, all the college staff/ faculty/students members are encouraged to use public transport and get a emission certification of their vehicle on timely basis.

### ➤ **Use of Bicycle/ battery powered vehicles is encouraged**

The employees and students are encouraged to use public transport or car pool etc. to limit the emissions. Further, use of bicycle or battery powered vehicles is encouraged.

To observe yearly 'No Vehicle Day' to increase awareness.

### ➤ **Pedestrian-friendly pathways**

The institute has pedestrian friendly pathways to protect ecological systems

### ➤ **Landscaping with trees and plants**

Plant more trees within and outside campus to clean the atmosphere and keep it green. Waste has to be handled at the place of origin. Keep the premises neat and tidy. Commit to manage waste and maintain clean campus especially during college events.

### ➤ **Measures for energy conservation**

All should ensure optimum utilization of lights, fans and other electronic devices, turning them off when not in use. The activation of power management systems (power saving modes) in electronic devices like computers, laptops etc. should be done, when not in use. Utilization of LED or compact fluorescent bulbs should be done as far as possible. The purchase of equipments or instruments should be made in view of energy conservation Utilization of alternative sources of energy should be promoted.

### ➤ **Digital Library / E-Learning Centre**

All should promote utilization of e-resources like e-books, online journals and soft copies over hard copies/papers wherever possible. All should use e-mail/ messaging services for official communications instead of paper as far as possible. Utilization of learning management systems and e- platforms should be promoted.

➤ **e-Governance**

To minimize the use of paper in administration through promoting E-governance printing of documents should be done back to back whenever feasible to avoid use of more papers.

➤ **Waste Management**

All should aptly utilise the dust bins for waste disposal made available at different locations in premises and the campus. All should strictly exercise separate disposal of dry, wet, electronic and biomedical waste. The disposal of chemicals and laboratory waste should be done suitably by dilution/chemical treatment method. Collaboration with e-waste recycling companies to get electronic waste recycled. E-waste has to be handled properly and disposed off as per norms. Awareness amongst students about reduction of e-waste and environment friendly disposal practices for e-waste.

➤ **Water management**

All are required to use water cautiously. Suitable measures may be taken to prevent wastage of water in conduct of experiments and other day to day activities. Measures for conservation of water like water recycling, rain water harvesting systems etc. should be promoted. While developing a new infrastructure, careful planning should be done with regards to this green and environmental policy.

➤ **Awareness**

Systematically engage with the 3Rs of environment friendliness (Reduce, Reuse and Recycle). Collect paper waste produced on campus and collaborate with scrap dealers for recycling. Based on the environment themes organize programmes and festivals in the campus. New students will be informed about environmental imperatives and related College responsibilities and policies during pre-enrollment orientation. All should strictly adhere to the above mentioned rules and regulations.

## **Guidelines for Ban on Single Use Plastic in College Premises:**

### **Introduction**

Plastic pollution is currently one of the biggest environmental concerns. The short-term benefits and convenience of plastic and plastic goods have led to a boom in the production and consumption of plastic. Over the past century, excess-consumption of plastic has surpassed management of plastic waste and led it to become a scourge to the planet. Plastic is a menace that impacts not only the environment but also our health and wellbeing. We have all contributed to this problem, knowingly and unknowingly and we must work to reduce and eliminate plastic pollution.

Government has decided to take plastic ban as a national level campaign to address the environmental hazards being caused by the indiscriminate use of plastic. Educational institutions must lead this nation-wide endeavour. There is a need for educational institutions to actively contribute to the effort of banning the use of single use plastics.

- Ban on Single-use plastic packing materials in Canteen & stores.
- Identification & implementation of replacements for alternative food and beverages that are sold in canteen which comes in plastic packaging
- Ban on Single-use plastic bottles of 1 litre or less in volume for in-house meetings and events
- Reduction in usage of Single-use plastic banners
- Segregation of Non-Biodegradable plastics by House Keeping staff & safe disposal of the same through authorized agencies.
- Ban on use of plastic materials used for decorations at the events.

### **Implementation and Compliance**

- The college will deploy a team of GREEN WARRIORS for the mission comprising faculty and student advisors who will ensure the Planning and implementation of this Phase-wise Plastic banning in the campus.
- They will thoroughly monitor the implementation of the ban and meet frequently to assess & discuss the extend of ban.
- They also prepare the agenda for next phase of ban implementation.

- All departments inside the campus are responsible for organizing or hosting events and activities in college premises are responsible for ensuring compliance with the policy.
- College management is responsible for ensuring that the necessary facilities and procedures are in place to enable implementation of the policy, with support from the Purchase Committee, Committee on Catering and others.
- The Committee will be responsible for ensuring that restricted items are not sold or distributed in catering outlets, vending machines, or retail outlets on campus.
- The Committee will also be responsible for ensuring that catering and retail outlets will use eco-friendly materials for their packing or serving of food & beverages.

### **Awareness & Campaigns:**

The Green Warriors will also carry out awareness drives and sensitising workshops on the harmful impacts of single use plastics among the Students and Staff to encourage following

- Every student will strive to make his/her household plastic free.
- Students to be incentivised to carry out similar campaigns at community level
- Installation of necessary alternative facilities like water units to avoid the purchase and use of plastic water bottles.
- Ensure presence of alternative solutions like cloth bags etc., to plastic bottles, covers another goods on campuses.
- Conducting events and poster competitions etc. on designing ecological and environment friendly goods to minimise the use of single use plastic



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**TO WHOSOEVER IT MAY CONCERN**

This is to certify that we had carried out the Energy & Water Audit in the Kennedy Road Campus of All India Shri Shivaji Memorial Society ( AISSMS ), Pune.

It was observed that client already have installed energy efficient equipment in their premise. Most of energy efficiency improvement work has been already done by client; which shows their positive approach to energy efficiency and sustainability.

Our Observations & Recommendations are summarized as below-

Energy saving and sustainability improvement measures undertaken by college management are as follows.

1. Replacement of fluorescent lights with energy efficient LED lights.
2. Selection of Energy Efficient Equipment's (BEE 5 Star Labelled) whenever replacement of any equipment is to be done.
3. Active Harmonic Filter is also installed to control Harmonics.
4. Maintaining energy consumption records of each section to track energy consumption of the premise.
5. Use of Solar energy for water heating purpose instead of electric geysers.
6. Use of Solar Photovoltaic system to generate own electricity using rooftop area available at the premise.

Recommendations for further energy savings are as follows-

1. Use of heat pumps wherever possible in college premises for cooling and heating.
2. Use of aerators for water taps.
3. Cost saving measure - Fine tuning of Automatic Power Factor Correction system to improve PF to unity & reduce billing units in kVAh billing system.
4. Cost Saving measure - Reduce contract demand to last recorded highest demand to reduce the excess demand charges being paid each month.

Yours truly,

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