



JSS STU ECO-FRIENDLY ENVIRONMENT POLICY-2021

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JSS Mahavidyapeetha
JSS Science and Technology University
JSS Technical Institutions' Campus
Mysuru- 570006

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Policy Details

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Eco-friendly Environment Policy

1.0 Preamble

The challenges of climate change, pollution, habitat loss, and resource depletion compel us to take bold and responsible steps to safeguard our environment. In this regard, JSS Science and Technology University (JSS STU) is committed to inspiring and equipping individuals with the knowledge and skills needed to address environmental challenges. Through research, teaching, and community engagement, JSS STU aims to foster a generation of environmentally conscious leaders who will shape a more sustainable and just world. By adopting sustainable practices, JSS STU is committed to minimizing its ecological footprint and promoting a culture of environmental consciousness among students, faculty, staff, and visitors.

2.0 Statement

JSS STU is committed to formulating strategies for establishing a sustainable green campus by inculcating activities that promote the holistic, sustainable development of the university while making a significant positive impact on the environment, inspiring change, and contributing to a greener, healthier, and more sustainable world.

3.0 Purpose

The Eco-friendly Environment Policy aims to guide and drive the university's efforts toward environmental sustainability, providing a framework for responsible practices, continuous improvement, stakeholder engagement, and a positive environmental impact. The main purposes of this Policy include:

1. Environmental Responsibility
2. Sustainability Integration
3. Stakeholder Engagement
4. Environmental Performance Improvement

4.0 Objectives

The primary objectives of the Policy are to:

- Reduce energy consumption, promote renewable energy, and minimize greenhouse gas emissions.
- Practice responsible waste management, promote recycling, and reduce waste generation.
- Conserve water resources and promote efficient water usage.
- Encourage sustainable transportation options and reduce reliance on single-occupancy vehicles.

- Embrace green building practices and promote the use of sustainable materials.
- Integrate sustainability into academic programs, research, and community engagement efforts.
- Promote occupational safety.

5.0 Scope

The Eco-friendly Environment Policy at JSS STU encompasses all aspects of our campus operations, facilities, and activities. It applies to students, faculty, staff, visitors, and all individuals associated with the university. The scope of our Sustainable Environment Policy includes, but is not limited to, the following areas:

Campus Infrastructure and Operations:

- Energy management, including energy efficiency, renewable energy utilization, and reduction of greenhouse gas emissions.
- Waste management, including recycling, composting, and responsible disposal practices.
- Water conservation and efficient water usage.
- Sustainable transportation options, including promoting alternative modes of transportation and reducing reliance on single-occupancy vehicles.
- Sustainable building practices, including green design, construction, and maintenance of campus facilities.
- Landscaping and grounds management, including sustainable landscaping practices and preservation of natural habitats.

Academic and Research:

- Integration of sustainability and environmental education across academic programs and disciplines.
- Encouragement of research and innovation focused on sustainability and environmental issues.
- Support for student-led initiatives and projects related to sustainability.
- Collaboration with other academic institutions and organizations to promote knowledge exchange and research partnerships.

Community Engagement and Outreach:

- Awareness campaigns and educational programs to engage and inform the university community about sustainability practices.
- Partnerships and collaboration with local communities, government agencies, and organizations to promote sustainability and address environmental challenges.

- Involvement in community outreach programs and initiatives that contribute to environmental conservation and sustainability.

Monitoring and Reporting:

- Regular monitoring and reporting of progress toward sustainability goals and targets.
- Collection and analysis of relevant data and metrics to assess the effectiveness of sustainability initiatives.
- Transparency in sharing information about sustainability efforts and achievements with the university community and stakeholders.

This scope is not exhaustive, and JSS STU's Eco-friendly Environment policy may extend to other areas deemed necessary and relevant to our sustainability objectives. JSS STU recognizes the interconnected nature of environmental, social, and economic aspects of sustainability and aims to promote a holistic approach in all our initiatives. By addressing these various areas within our scope, JSS STU aims to create a comprehensive and integrated approach to sustainability that permeates throughout our campus and serves as a model for environmental responsibility and leadership.

6.0 Alternate Sources of Energy

1. The university shall harvest alternate sources of energy, particularly solar energy, by a.
a. Installing solar rooftop panels on all buildings in a phased manner.
b. Installing solar water heaters for hot water supply.
2. The university shall regularly maintain the facilities for harvesting alternate energy sources.
3. The university shall periodically assess the reports of harvesting alternate energy sources.

7.0 Energy Conservation Measures

1. JSS STU shall adopt energy conservation measures by:
a. Using energy-efficient lighting systems like LEDs.
b. Using energy-efficient air conditioning systems.
c. Using sensor-based control systems for lighting and fan systems wherever essential.
2. JSS STU shall ensure the proper operation and maintenance of buildings, utilities, and equipment to improve energy efficiency.
3. JSS STU shall undergo an energy audit periodically by a certified energy auditor.
4. JSS STU shall organize need-based awareness programs on energy conservation.
5. JSS STU shall focus on the use of natural sources of light.

8.0 Water Conservation Measures

As the demands for water resources continue to grow due to population expansion, urbanization, and changing climate patterns, adopting a responsible and sustainable approach to water management is imperative. To promote efficient water use, reduce waste, and safeguard the availability of clean and reliable water for all, JSS STU envisions conserving water by adopting suitable measures from time to time.

JSS STU shall:

1. Conserve water through rainwater harvesting in a phased manner as per government norms.
2. Channelize the rainwater for recharging groundwater by constructing tanks and bunds.
3. Frequently monitor water usage and quality and adopt efficient water distribution systems.
4. Treat wastewater by constructing Sewage Treatment Plants (STP).
5. Use treated water for gardening purposes.
6. Conduct awareness programs on water conservation.
7. Ensure the regular maintenance of existing borewells to replenish them.
8. Use water flow restrictors on bathroom faucets and showers, low water flow toilets, dual-flushing systems, and automated urinal flushers.
9. Install drip and sprinkler systems for gardening.
10. Ensure gardening before 8 am and after 5 pm to reduce evaporation loss.

9.0 Waste Management

JSS STU generates various types of waste, including solid waste, e-waste, and liquid waste. The university is committed to reusing, recycling, and reducing waste by adopting suitable measures.

9.01 Solid Waste:

JSS STU shall:

1. Use color-coded bins to segregate solid waste into degradable and non-degradable waste.
2. Establish a Memoranda of Understanding (MoU) with certified agencies for solid waste disposal.
3. Ensure the ban of plastics through –
 - a. Conducting awareness programs.
 - b. Displaying signage indicating the ban on plastic at vantage points.

- c. Avoiding single-use plastic.
- d. Penalizing violators.
- 4. Implement e-governance in a phased manner to reduce paper waste.
- 5. Establish MoUs with certified agencies to dispose of examination paper waste.
- 6. Ensure non-degradable solid wastes are stored and disposed of for further processing by certified agents.
- 7. Ensure degradable solid wastes are collected and converted into compost for further processing by certified agents.
- 8. Ensure sanitary napkins are disposed of using incinerators.

9.02 E-waste:

For reducing e-waste, JSS STU shall:

- 1. Adhere to the regulatory requirements of the state.
- 2. Reuse, recycle, and reduce the usage of electronic items.
- 3. Segregate irreparable items before disposal and store them in an isolated place.
- 4. Establish an e-waste collection center.
- 5. Postpone the purchase of electronic items to minimize the generation of e-waste.
- 6. Establish MoUs with certified agencies for the disposal of e-waste.
- 7. Ensure a buy-back policy during the purchase of electronic items.
- 8. Extend the usage of electronic items by timely upgrades.

9.03 Liquid Waste:

JSS STU shall:

- 1. Establish and maintain liquid waste treatment systems that comply with regulatory standards.
- 2. Raise awareness among the community about the importance of liquid waste management and their role in preserving water quality on campus.
- 3. Treat wastewater by constructing Sewage Treatment Plants (STP).
- 4. Use treated water for gardening, secondary flushing, washing of vehicles, and construction.
- 5. Establish MoUs with certified agencies for the disposal of wet waste.
- 6. Maintain leak-proof water fixtures.

7. Reuse wastewater generated by the Reverse Osmosis (RO) system in washrooms.

10.0 Green Campus Initiatives

Green landscaping with trees and plants, often called sustainable or eco-friendly landscaping, involves designing and maintaining outdoor spaces in an environmentally responsible way. JSS STU is committed to creating attractive landscapes while conserving resources, reducing pollution, and providing habitat for flora and fauna.

JSS STU shall:

1. Ensure that 1/3rd of the total campus area is covered by green vegetation.
2. Implement periodic tree plantation programs.
3. Restrict the movement of vehicles to reduce air pollution.
4. Conduct awareness programs on green initiatives.
5. Encourage the use of public transport or college transport to reduce the carbon footprint.
6. Periodically undergo green and environment audits.
7. Ensure indoor air quality by providing sufficient ventilation and lighting.

11.0 Breach of This Policy

Users are encouraged to be vigilant and to report any suspected violations of this Policy immediately to the Helpdesk. Suppose any breach of this Policy is observed (in addition to the above), disciplinary action up to and including dismissal in the case of staff, expulsion in the case of students, or contract termination in the case of third parties may be taken in accordance with the University's disciplinary procedures.

12.0 Revisions to Policy

The University reserves the right to revise the terms of this Policy at any time. Any such revisions will be noted in the revision history of the policy, which is available on the UNIVERSITY website. By continuing to use the University's Resources following any update, it is considered acceptance of the revised terms of this Policy.

Contact Us

- If you have any queries in relation to this policy, please contact:

Policy Framework and Development Committee Details

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