



SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY
An Autonomous Institution| Approved by AICTE| Affiliated to Anna University
Kuniamuthur, Coimbatore - 641008

6.4.1 WATER REUSE POLICY





6.4.1 Water reuse policy

Water reuse is the process of reusing treated wastewater for a variety of applications, including agricultural and landscape irrigation, industrial processes, toilet flushing, and replenishing groundwater basins.

Water reuse can result in both financial and resource savings. It can also help to solve soil nutrient deficits by substituting nutrient-rich treated wastewater for chemical fertilizers.

The Safe Reuse of Treated Water (SRTW) Policy is established by numerous Indian states to accomplish SDG 6 targets. The policy aims to have all states accept and implement it by constructing sewage treatment plants in major cities and towns.

In our Institution Environment and Energy Usage policy and Green Campus Policy is implemented from the year 2020, which insists on water conservation and reuse. The policy insists on implementing water-saving measures and technologies, promoting awareness of water conservation among students and staff members, and monitoring and reducing water consumption on campus.

The policy guidelines encourage the reuse of water by recycling waste and sewage water. The green campus policy aims to establish and maintain rainwater harvesting structures for maximum groundwater recharge and reuse of water.





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Policy Document

Environment and Energy Usage Policy



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The Environment and Energy usage Policy of Sri Krishna College of Engineering and Technology (SKCET) is focused on Sustainable, Environmental Friendly and Efficient Energy Consumption to minimize its impact on the environment. The policy aims to reduce the burden of the Government and to find alternate resources as solutions to the energy crisis through Research and Development.

Policy Statement

- Evaluate the energy consumption through energy audit.
- Calculate the amount of CO₂ emissions produced by the vehicles.
- Employ environmentally friendly vehicles, such as bicycles, public transportation and pedestrian-friendly roadways, to lower local air pollution emissions.
- Install solar photo voltaic panels for producing alternative energy.
- Implement sensor-based lighting systems campus-wide.
- Adopt methodical waste management system.
- Establishing a rainwater collection system.
- Organize tree planting drives as part of environmental initiatives.
- Establish mechanisms to guarantee sufficient resources for goal accomplishment.
- Promote the utilization of cutting-edge technologies in order to reduce energy usage, air pollutants and noise, notably from vehicles.
- Foster active collaboration with local organizations specializing in the environment, energy efficiency and sustainable development and initiating discussions with municipal corporations, Government agencies, and various other groups to foster comprehensive partnerships.
- Monitor emerging environmental and energy-related challenges.



- Offer training opportunities and information on energy-saving techniques.
- Provide chances for workers and students to participate in projects that advance environmental protection.

Scope of the Policy

The scope of an "Environment and Energy Usage" policy typically encompasses a set of guidelines and principles aimed at promoting sustainability, minimizing environmental impact and optimizing energy consumption. Institutes Environmental Policy will be pursued through the following priority areas:

- Energy Management:
 - Implementing energy-efficient technologies and practices in campus buildings.
 - Setting energy conservation targets and monitoring energy usage.
 - Encourage and promote the utilization of renewable energy sources throughout the campus.
- Air Quality Management:
 - Maintain healthy vegetation to improve campus CO₂ sequestration.
 - Enforce a smoke-free and tobacco policy to promote a healthy and clean environment on campus.
- Waste Management:
 - Establishing recycling programs and waste reduction initiatives.
 - Encouraging responsible waste disposal among students and staff members.
 - Implementing composting programs for organic waste.



- **Water Conservation:**
 - Implementing water-saving measures and technologies.
 - Promoting awareness of water conservation among students and staff members.
 - Monitoring and reducing water consumption on campus.
- **Green Building and Green Practices:**
 - Incorporating sustainable and environmentally friendly design principles in new construction projects.
 - Retrofitting existing buildings to improve energy efficiency.
 - Obtaining green building certifications for campus facilities.
- **Transportation:**
 - Encouraging sustainable transportation options, such as Bicycle, and public transportation.
 - Actively promoting and encouraging the use of electric vehicles among the campus community.
- **Curriculum Integration:**
 - Infusing environmental and energy-related topics into the academic curriculum.
 - Offering courses or programs focused on sustainability and renewable energy.
 - Encouraging research and projects related to environmental issues.
- **Community Engagement:**
 - Involving the college community in environmental initiatives and awareness campaigns.
 - Partnering with local communities on environmental projects.
 - Hosting events and workshops on environmental sustainability.



- **Purchasing and Procurement:**
 - Implementing sustainable procurement practices for goods and services.
 - Supporting environmentally responsible vendors.
 - Reducing the use of single-use plastics and other environmentally harmful materials.
- **Biodiversity and Green Spaces:**
 - Preserving and enhancing green spaces on campus.
 - Implementing landscaping practices that promote biodiversity.
 - Educating the campus community about the importance of local ecosystems.
- **Policy Compliance and Reporting:**
 - Ensuring compliance with relevant environmental regulations and standards.
 - Regularly reporting on the environmental and energy performance of the college.
 - Conducting audits to assess the effectiveness of implemented measures.
- **Student and Staff Engagement:**
 - Encouraging sustainability practices in classrooms, offices, and Hall of residence.
 - Recognizing and rewarding environmentally friendly behaviors.

Objectives of the Policy

- Develop awareness about environmental issues among the campus community.
- Make the people understand one's responsibility towards energy conservation.
- Implement responsible practices for waste management.





- Reducing waste generation inside the campus.
- Practicing effective water conservation techniques.
- Encourage green practices within the campus and beyond through activities.
- Maintain cleanliness and sanitation inside the campus.
- Provide a pollution-free healthy environment through best pollution prevention measures.

Policy Guidelines

- The Institution will focus on the following guidelines to regulate the Environment and Energy usage policy time to time.
- Consider the environmental impact of its development, communications, procurement, curriculum, research and campus activities.
- Encourage the reuse of water by recycling the waste and sewage water.
- Strive to practice ecological responsibility focused on the preservation of its natural woodlands and gardens with Trees and Plants and Landscaping.
- Broaden its commitment to environmental education by introducing, where practical, relevant environmental content to curriculum material.
- Effective management of the waste with proper waste segregation and disposal.
- Strive to augment Renewable Energy such as Solar for its energy requirement and Solar water heating system.
- Carry out energy auditing to assess the usage of Electricity by different electrical installations.



- Effective waste segregation and dispose the same to the proper Government approved agencies.
- Purchase of ENERGY STAR rated appliances and computers, paper products from responsible vendors.
- Implement sensor-based operation and maintenance at strategic locations.
- Implementation of Ground water rejuvenation techniques in the campus.
- Emphasize on complete ban and usage of Plastic inside the campus.
- Maintain the Pedestrian Friendly Pathways for the safe and easy movement of Staff & Students in the campus.

Policy Procedures

- SKCET conducts regular reviews and updates of the Environment and Energy Policy to align with evolving sustainability standards, technological advancements, and the latest best practices, with a periodicity of once every five years.

Policy Outcomes

- The outcomes of Environmental and Energy usage policy are multifaceted, influencing various aspects across the Institution, including campus life, resource management and the overall sustainability.



- The effectiveness of the policy is gauged through metrics like energy and water consumption, waste diversion rates, and the overall reduction of the Institution's carbon footprint. Consistent monitoring, reporting and feedback mechanisms are in place to ensure that the policy is achieving its intended goals and contributing to a positive impact on the Institution and its surrounding environment.


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Note:

This Policy document is approved in the 11th Governing Body meeting held on 30.12.2020.



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Green Campus Policy



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Sri Krishna College of Engineering and Technology is recognized for its "Clean and Green" campus, where a harmonious blend of environmentally friendly practices and education fosters a culture of sustainability and eco-friendly initiatives. The Green Campus and Environment Policy aim to introduce innovative co-curricular and extracurricular initiatives, inspiring students and staff to actively lead and contribute to positive change. The green campus concept offers an 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 mankind.

Policy Statement

- Promote environmental consciousness and sustainability among the stakeholders and the neighborhood community.
- Enhancing campus air quality is prioritized through multiple measures, including the use of environmentally friendly vehicles, urging stakeholders to opt for public transportation, and implementing restricted vehicle entry barriers within the campus.
- Implementing systematic waste management mechanisms to ensure the safe disposal and handling of liquid, solid, and hazardous waste.
- Establish and maintain rain water harvesting structures to maximize the ground water recharging capacity of the runoff.
- Regular tree plantation drives to improve the green cover in the campus.
- Security personnel monitor the entrance of the college, contributing to the seamless functioning of pedestrian facilities.



- Raise awareness and seek the adoption of environmental good practice and the reduction of any adverse effects on the environment.
- Raise awareness by organizing seminars, debates, and activities focused on climate change, environmental protection, and various environmental issues.

Scope of the Policy

- The Green Campus Policy will develop exciting new co-curricular and extracurricular practices that encourage students and staff to take the lead in creating positive change.
- The initiatives necessitate a comprehensive review of all infrastructural and administrative functions, emphasizing energy efficiency, sustainability, and environmental considerations.

Objectives of the Policy

- To encourage students to keep the environment clean.
- To educate students to create awareness amongst the public.
- To make students understand the importance of the environment and its problem areas.
- 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 collaborate with all stakeholders and the local community, fostering awareness and advocating for the adoption of environmentally sound practices while minimizing adverse effects on the environment.



- To consistently enhance efforts in contributing to climate protection, adapting to climate change, and preserving global resources.
- To efficiently utilize all resources, including energy and water, with a focus on minimizing waste generation.
- To be a plastic-free campus.
- To periodically conduct environmental and energy audits for assessment and improvement purposes.
- To implement paperless practices.
- To adopt new initiatives implemented by regulatory agencies through Government schemes.

Policy Guidelines

- The Policy will be reviewed, once every five years or earlier subject to matter of exigencies, as the case may be.
- The policy will be reviewed with the sole intent of understanding the efficacy of (i) implementing sustainable 'Green Campus' practices in the institution and (ii) its facilities for creating an infrastructure for developing and strengthening implementation, provisions and operations including the aspects of resource usage, building infrastructure, transportation, use of services, advent of local, national and international regulations and standards.
- To this extent institution will facilitate the active participation of its stakeholders, particularly students, faculty, administrators and staff as well as external organizations in the implementation of this policy.

Policy Procedures

- To raise awareness among students and encourage them to minimize the use of polluting products.
- To inspire students to embrace environmental friendly practices, such as using paper bags and conserving electricity.



Policy Outcomes

- Awareness is disseminated regarding the hazards that are adversely impacting the environment.
- Students and teachers realize their individual responsibilities to save the environment.

Carbon Neutral Initiatives

The following are the initiatives to reduce the Carbon Footprint in the Institution:

- Assessments of the Campus Carbon Footprint to analyze inventory and implement initiatives to minimize emissions.
- Use of electric vehicles by staffs, students and visitors to commute inside the campus.
- Expanding the campus green cover by planting appropriate species that can counterbalance carbon emissions within the campus community.


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