



K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215, Namakkal, Tamil Nadu

GREEN CAMPUS POLICY

DECEMBER 2021

Index

S.No.	Content	Page No.
1	Introduction	01
2	Objectives of the Policy	02
3	Environmental Policy of the college	02
4	Clean Campus Initiatives	02
5	Landscaping Initiatives	03
6	Clean Air Initiatives	04
7	Infrastructural Initiatives	04
8	Waste Management Process	05
9	Paperless Operating Procedure	07
10	Awareness Initiatives	08
11	Implementation of Green Audit, Energy Audit and Environment Audit	08
12	Plastic-Free Campus	09

Introduction

The relationship between K.S.Rangasamy College of Technology and nature is a long and enduring one, something that students, faculty and staff of the college are aware of. The Institution is known for its clean and green campus where environmental friendly practices and education combine to promote sustainable and eco-friendly practices in the campus and beyond the campus. The green campus concept offers an opportunity to take the lead in redefining its environmental culture by instilling environmental ethics among students and staff. The Institution also promotes clean and green campus through adopting, practicing and promoting environmental friendly practices among students and staff to generate Eco-consciousness among them and in the world around them.

Scope of the Policy

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 and administrative functions from the standpoints of energy efficiency, sustainability and the clean environment. The focus areas of this policy are:

- Clean Campus Initiatives
- Landscaping Initiatives
- Clean Air Initiatives
- Infrastructure Initiatives
- Solar PowerPlant
- Installation of Energy EfficiencyEquipment
- Water Conservation through Rainwater HarvestingSystem
- Waste Management processes
- Solid Waste Management
- Liquid WasteManagement
- E-Waste Management
- Awareness Initiatives
- Paperless operative procedure [Implementation of e-Governance]

- Implementation of Green Audit, Energy Audit and Environmental Audit
- Plastic-Free Campus
- One Student and One Tree

Objectives of the Policy

- 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 and energy audits from time to time.
- To minimize the use of paper in administration through having policy for E-governance.
- 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 the Institution contribution to climate protection and adaptation to climate change and to the conservation of global resources.

Environmental Policy of the college

The Institution is committed to managing its campus in accordance with responsibilities towards promoting sustainable environment.

a. Clean Campus Initiatives

K.S.Rangasamy College of Technology had pledged to actively coordinate cleanliness activities in the campus and beyond the campus in accordance with the

vision of Swachh Bharat Abhiyan. The broad vision is as follows:

1. Generating mass awareness on cleanliness and hygiene amongst students and staff members by holding regular cleanliness drives and campaign. The idea is to motivate them to contribute in a proactivemanner.
2. Activities under 'Swachh Bharat Abhiyan' will be a key component of all the community work being done by NSS and NCC cadets of the Institution.
3. Staff members will be encouraged to participate in the cleanliness drive in the campus.
4. Events such as poster and slogan competitions, essay writing, spoken word poetry, speeches and skits on 'Swachh Bharat' will be organized.
5. Rallies on themes connected with 'Swachh Bharat Abhiyan' in and around the campus will be conducted to create mass awareness.
6. Remove all kinds of waste material like broken furniture, unusable equipmentetc.
7. Administration of the pledge to students and staff members every year to maintain cleanliness of the campus and its surrounding
8. Conduct workshops on the 3Rs: Reducing, reusing and recycling of waste.
9. Commit to manage waste and maintain clean campus especially during college events.

b. Landscaping Initiatives

The landscape, with its buildings, can be viewed as the physical embodiment of an Institution's values. It is a vital part of the life of a campus, providing space for study, play, outdoor events, relaxation and aesthetic appreciation. Green campus landscapes also manage runoff, help recharge groundwater, and provide 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 aesthetic and accessible, landscaping initiatives are a great way to build awareness around the environment.

Environmental promotional activities conducted to bring awareness among the students regarding advantages of tree plantation for an eco-friendly

Environment. The Institution celebrates “**The World Environmental Day**” on June 5 every year and “**International Plantation Day**” by conducting competitions among students and also talks by eminent people to bring awareness. This programme promotes eco-friendly environment, by stepping up the oxygen levels inside the campus.

c. Clean Air Initiatives

Students and staff are encouraged to use public/ college bus transportation, instead of using individual vehicle, an activity that will control air pollution and strengthen social interaction. The entry of automobiles inside the campus is restricted to discourage the use of private vehicles. The students are given strict instructions to maintain the campus clean and it is reflected in their handbooks. A gardener and full time support staff are appointed for the maintenance of litter free clean and Green Campus.

In compliance with the framework provided by the National Tobacco Control Programme (NTCP) 2007-2008, the Institution 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.

d. Infrastructural Initiatives

Implementation of Renewable Sources of Energy

K.S.Rangasamy College of Technology is dedicated to minimize and sustainably manage its use of electricity. The Institution 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. The Institution has installation for connecting solar energy to meet out electricity need as well as to keep our assurance towards sustainability.

At K.S.Rangasamy College of Technology, kitchen waste is used to generate thermal energy for cooking and heating. The bio-gas produced from food waste, decomposable organic material and kitchen waste, consisting of methane and a less amount of carbon dioxide is an alternative fuel for cooking gas (LPG).

Energy Saving and Energy Efficient Equipment

The following tips are implemented to save electrical energy

1. Activate power management features on the computer system so that it will go into a low power “sleep” mode when it is put idle.
2. Turn off the monitor when not in use.
3. Activate power management features on the laser printer.
4. Whenever possible, shut down rather than logging off.
5. Turn off unnecessary lights and use day light instead.
6. Avoid the use of decorative lighting.
7. Use and install environment-friendly electrical appliances that save energy and reduce wasteful inefficiencies
8. Keep lights off in conference rooms, classrooms, lecture halls when they are not in use.
9. Use the fans only when they are needed.
10. **Use of LED Bulbs in The Institution:** Principal’s Office, Office of IQAC, Administrative Office, Library, Guest Rooms, Indoor Stadium, Ladies Common Room, Virtual Classrooms, Language Lab, Computer Labs, Science Lab, Departmental Offices, and all classrooms have LED bulbs to save and conserve energy.

Water Conservation through Rainwater Harvesting System

K.S.Rangasamy College of Technology has committed itself to this effort as a practice to replenish the groundwater table by practicing rainwater harvesting.

e. Waste Management Processes

K.S.Rangasamy College of Technology strives to have a minimal impact on the environment and is dedicated to reduce and manage the waste generated at the campus. The following specific procedures will be undertaken to ensure its contribution in protecting the environment.

Solid Waste Management

The Institution dedicatedly focuses that minimal waste is generated in the campus. All Departments and classrooms are provided with dustbins for dry wastage disposal. With its aim to provide holistic education that also has a positive impact on the environment, the Institution will adopt practices that will mitigate the generation, and manage solid waste through the following methods:

- 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.
- 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 central library.
- Encourage the students and teachers to use modern teaching-learning methodologies for assignment/ class notes submissions.

Initiatives taken to spread awareness amongst students about

- Food wastage and ways of minimizing it
- Minimizing the use of packaged food
- The habit of reusing and recycling non-biodegradable products
- Organizing workshops for students on solid waste management.

Liquid Waste Management

Students are made aware on conserving water is equivalent to conserving their future. The following procedures are adopted for the effective implementation of Liquid Waste Management.

- In house-plumbers attend promptly to fix leakages and wastage of water.
- Maintain leak proof water fixtures.
- Minimize the use of water by constructing more Indian style toilets

instead of western style toilets.

- Continued employment of a caretaker to take immediate steps to stop any water leakage through taps, pipes, tanks, and toilet flushetc.
- Re use of waste water generated by the Reverse Osmosis (RO) system in gardening.

E-Waste Management

With the proliferation of electronics also comes the challenge of their proper disposal. The Institution is grappling with ways to efficiently and cost-effectively handle the issue of electronic wastes, or e-wastes, in campus. It is normal for people to discard of products due to normal wear and tear, but technological advancements have accelerated e-waste growth as students, faculty and administrators frequently upgrade to better gadgets. This surge has forced the Institution administrators to carefully examine and address the environmentally responsible disposal of these products on a campus-wide scale.

The Institution adopts most scientific and eco-friendly e-waste disposal mechanisms such as: AMC is maintained to periodically review the effective functioning of CPU's and monitors and expert recommendations are followed to dispose the same in the market. All electronic waste CPU's, hard disks, laboratory equipment scrap is sent periodically to the market for sale. Obsolete workable computers, printers and other equipment discarded by departments are sold as scrap. The cartridges of printers are refilled outside the college campus. UPS Batteries are recharged and repaired by the suppliers.

f. Paperless Operating Procedure

K.S.Rangasamy College of Technology is striving towards a paperless office, a work environment in which the use of paper is eliminated or greatly reduced. This is done by converting documents and other papers into digital form, a process known as digitization (E-GOVERNANCE). Going paperless and become digital can save money, boost productivity, save space, make documentation and information sharing easier, keep personal information more secure, and help the environment to

be clean. Wherever possible automation and digitization are introduced which helps in minimization of usage of paper. Digital storage of documents is one such measure. Institutional data to a great extent is stored digitally. Technology is used to a greater extent for communication among the staff and the students through intra net LAN rather than paper communication. WhatsApp - class wise groups, Department wise groups and Committee wise groups facilitate E-communication and use of public address systems reduces usage of paper in notices and circulars.

In addition to going paperless in the classroom, the Institution has also introduced Learning Management System wherein references, notes, syllabus question banks, study material is stored and shared on the e-platform, avoiding massive usage of paper. The teachers have also experimenting with alternatives of paper -based testing with e- assignments and other skill -based tests like quiz, MCQs, presentations, group discussions etc.,

g. Awareness Initiatives

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 reason why Institution supports and encourages awareness campaigns, seminars, workshops, conferences and other interactive sessions to facilitate effective implementation of the Green Campus, Energy and Environment Policies.

h. Implementation of Green Audit, Energy Audit and Environment Audit

The Institution aims to regularly conduct a Green Audit of our college campus to assess our strengths and weaknesses to further our goals of long-term sustainability. A green audit is a useful mechanism to determine how and where most energy or water or resources are being used. The Institution can then consider how to implement changes and make savings. The Institution is committed to create “an environment of educational excellence” adopts the ‘Green Campus’ system for environmental conservation and sustainability. The Institution conducts Green Audit every year to identify, quantify, describe and priorities a framework of