



Kammavari Sangham(R)-1952

K. S. INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to VTU, Belagavi, Karnataka, Accredited by NACC & NBA (Dept. of CSE, ECE, ME)

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Policy document on the green campus/plastic free campus

SL NO	POLICY
1	Energy Conservation Policy Document
2	Recycling of Waste Management Policy Document
3	Water Conservation Policy Document
4	Policy for accommodating needs of the Differently abled students



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Energy Conservation Policy Document

PREAMBLE:

In order to endorse and support environmental awareness and holistic development of students, K S Institute of Technology has adopted “Energy Conservation Policy” for the purpose of making environmental concerns a way of life. This institution aims in creating a healthier environment to realistically and comprehensively reduce energy consumption by assuring acceptable indoor air quality and improve energy efficiency on campus through methods that are reliable with a safe, secure, and eco-conscious campus. Energy conservation shall be accomplished by developing a proactive and progressive approach towards providing energy efficient, responsible, and cost- effective operations on campus. This policy will be reviewed and updated periodically as public awareness, management techniques, and technologies change.

APPLIES TO: ALL THE STAFF, STUDENTS, EMPLOYEES AND VISITORS.

ENERGY CONSERVATION PRACTICES:

1. Lighting

Staffs and students shall make every effort to reduce the amount of energy associated with lighting in campus facilities by:

- Turn lights off in unoccupied spaces.
- Discontinuing the use of incandescent lighting by replacing wherever more efficient lighting is possible such as when compact fluorescent or light-emitting diode (LED) bulbs can be used.
- Maximizing the use of natural light and turning off all nonessential lighting and other loads whenever possible.

- Utilizing task lighting in lieu of overhead lighting when and where ever appropriate.
- Turning off exterior building architectural and promotional lighting between 11:00 pm and 6:00 am

2. Interior Environment

- Every effort will be made to maintain the occupied temperature in all campus facilities at 22 to 24 degrees Celsius. This excludes special environmental needs such as server rooms and computer laboratories.
- Classroom with 20 or fewer students will be set at 22 degrees centigrade.

3. Computers

- Computer power management software should be able to minimize the operation and consumption of electricity when computers are not in use. This excludes computers performing the unique computational function
- Computers purchased must have energy-saving features and should be enabled whenever in use.
- Peripheral equipment should be turned off whenever possible.
- Students are encouraged to turn off the systems when not in use.

4. Office Equipment

- All powered office equipment should be turned off or placed on standby when not in use unless it is unfavorable to the operation of the equipment to do so. Items such as copiers, printers, calculators, shredders, etc., should be turned off at the end of the workday.
- Office equipment quantities should be reduced through consolidation to central locations whenever possible

5. Appliances

- Staffs
- Non-school-provided appliances (such as printers, coffee makers, refrigerators, freezers, microwaves, lamps, televisions, and scanners) may only be used with proper authorizations
- The quantities of purchased appliances, facilities, and equipment shall be reduced through consolidation to central locations for shared use whenever possible.

- All new or replacement computer monitors and televisions shall be of the next generation energy efficient models
- All appliances shall be turned off when not in use unless it is detrimental to do so (for example a refrigerator or freezer).

6. Students

- All appliances shall be turned off when not in use unless it is detrimental to do so (for example a refrigerator or freezer).
- Lighting facilities and air conditioning units inside the labs must be turned off before leaving the classroom/lab
- Make sure that all computers/gadgets are unplugged when leaving the classrooms and laboratories

RAISING AWARENESS ON ENERGY CONSERVATION:

- Staffs and Students – are responsible for:
- Recognizing that energy conservation is important to the college's economic health and environmental goals.
- Being aware and complying with the policy.
- Take actions to conserve energy and reduce wastage of energy.
- If staff or students have ideas on energy conservation or wish to report energy waste, they should report to the Principal or to their respective Department Heads.
- Principal and Heads of Departments are responsible for:
- Communicating this policy to everyone within their jurisdiction.
- Including energy conservation procedures in orientation programs.
- Make Annual Energy Audit mandatory.

TIPS TO BE FOLLOWED ARE:

- Activate power management features on computer and monitor so that it will go into a low-power "sleep" mode when the students and staff are not working on it.
- Turn off the monitor once the students and staff leave from the lab.
- Activate power management features on laser printer.
- Whenever possible, shut down the systems rather than logging off.
- Turn off unnecessary lights and use daylight instead.
- Avoid the use of decorative lighting.

- Use LED or compact fluorescent bulbs.
- Keep lights off in conference halls, classrooms, seminar halls when they are not in use.
- Use the fans only when they are needed.



Secretary

SECRETARY

For KAMMAVARI SANGHAM



Principal

PRINCIPAL

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Recycling of Waste Management Policy Document

Recycling broadly covers Solid waste recycling, organic waste recycling, waste water recycling, horticultural waste recycling, electronic waste disposal and consumption patterns, waste oil recycling, hazardous waste recycling, food waste recycling, Life cycle assessment and management of resources.

Objectives:

The main objectives of the Waste Management System in the campus are to promote a clean and green campus through:

- To identifying, quantifying, describing and prioritizing framework of Environment Sustainability in compliance with the applicable regulations, policies and standards.
- To introduce and make students aware of real concerns of environment and its sustainability
- Composting and recycling are the methods adopted by the institute.
- To minimize the carbon footprint

Steps Taken:

- i. Waste segregation and collection is done through colour coded and labelled bins placed in corridors, cafeteria, laboratories, washrooms, quadrangle etc.
- ii. Exclusive support staff is appointed for waste collection, segregation, treatment or disposal
- iii. The paper waste collected is sent through authorised agencies to recycling units.
- iv. The plastic and glass waste is given to BBMP and authorised plastic waste collection agencies.
- v. The electronic waste is handed over to authorised agencies only after following the procedure for such disposal.
- vi. Wet waste is treated through vermicomposting and resulting vermin compost is used as bio fertilizer in the landscape greenery and garden. Dry leaves and kitchen waste from canteen is treated in the compost pit and the bio fertilizer is used in the garden.


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Water Conservation Policy Document

1. Reduce the wastage of water by fitting proper valves and arrest the leakages
2. Using suitable equipment, technology and systems to reduce the amount of water used
3. Watering to the gardening to be done in the morning or in the evening to reduce evaporation losses.
4. Rainwater harvesting pits have been provided for improving the groundwater depth
5. Faculty and students have been instructed use water economically
6. Guest lectures and expert lectures have been arranged regularly on water conservation
7. World water day, world environment day have been celebrated to imbibe the importance of water conservation
8. Install flow control devices such as low-flow shower heads and flush valves.
9. College has installed more rainwater harvesting pits along with this recharging the ground water.

Prevention of Water in KSIT Hostel and Quarters

(i) Save Water in the Bathroom

- Frequent checking of toilets for leaks and improper closure of taps
- Installed water-saving shower heads or flow restrictors
- Keep board near each taps 'Turn off water after use'
- Install low water capacity flush tank.

(ii) Save Water in the Kitchen and Laundry

- Use your automatic washing machine only for full loads
- If you wash dishes by hand, don't leave the water running for rinsing
- Don't let the faucet run while you clean vegetables

- Frequently checking faucets and pipes for leaks


(iii) Save Water Outside

- Watering lawn only when it needs
- Deep soak the lawn - water long enough for the moisture to soak down to the roots
- Plant drought-resistant trees and plants that need less water
- kept a layer of mulch around trees and plants
- Use a broom, not a hose, to clean driveways and sidewalks
- Don't run the hose while washing vehicle

Available Sources & Alternate Sources:

- A. Rain Water Harvesting
- B. Bore well/ Recharge Wells
- C. Construction of Tanks
- D. Waste water Management


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POLICY FOR ACCOMMODATING NEEDS OF THE DIFFERENTLY ABLED STUDENTS

Admission policy

- Equal educational opportunities are provided to the disabled students on par with the normal students.
- The Institution adheres to follow the instruction/order/norms set by the university from time to time.

Facilities

- Accessible washrooms for disabled students.
- Provision and up gradation of mechanical and technological support for people with disabilities.
- Wheelchairs.
- Disabled-friendly sign post.
- To provide information, guidance and support to disabled students. Ensure Ramps/Rails, Lifts, Special Toilets, Parking Lots and assisting devices like Wheelchairs, walking-aids etc. are in place for easy access of PWDs.
- Monitoring the successful implementation of related government policies and programs.
- To propose any other programmes activities as deemed fit for the benefit of differently abled students.

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