



GOVERNMENT SCIENCE COLLEGE

Sector – 15, Gandhinagar-382016

Principal

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NAAC Accredited-B+
(CGPA-2.69)

Policy Document on Environment and Energy Usage

Government Science College located in Gandhinagar, Gujarat, India is committed to environmental sustainability and energy management. Various steps and activities are undertaken by the institute to manage environment and energy usage. All the participants, Eco Club, NSS and NCC Units, the faculty members and employees are actively involved for the success of the policy and devote their time towards the sources of environment awareness, undertake green initiatives, green campus developing programme to save energy and protect the environment. Every member of the institute plays a vital role in implementing and adhering to this policy.

The institute adopts a structured approach to energy conservation, emphasizing efficiency, responsible utilization, and sustainable practices. The policy encompasses various activities undertaken by the institution, ensuring a comprehensive commitment to environmental stewardship.

Moreover, the institute actively encourages sustainable practices within its campus and extends this commitment beyond its boundaries. Responsible waste management, efficient water usage, and conservation efforts are integral to its daily operations. It focuses on responsible water management, aiming to reduce consumption, prevent wastage, and enhance water quality. Further initiatives include rainwater harvesting for water management.

As a part of the vision, the institution explores renewable energy resources as solutions for a greener future.

The institute actively seeks substitutes for scarce natural resources, addressing the energy crisis with efforts driven by research, innovation, and community engagement.

Objectives:

- To raise awareness about environmental issues.
- To educate all about the importance of energy conservation.
- To adopt energy-efficient habits by promoting energy-saving appliances and minimizing standby power consumption.
- To explore renewable energy options like solar panels, minimizing the reliance on fossil fuels.
- To implement responsible strategies for waste management.
- To attempt reduction in plastic waste production from in and beyond the campus through environmental activities.
- To develop a green infrastructure in and beyond the campus, enhancing the green spaces by planting trees, creating gardens, and maintaining green belts.
- To maintain cleanliness and sanitation on campus.

Methods:

The college is committed to consider for streamlining ways and procedures related to environment and energy conservation through:

- A. Energy conservation and management
- B. Waste management
- C. Water Conservation and Management
- D. Clean & Healthy Green Campus
- E. Paperless operating procedures
- F. Ban on single-use plastics on the Campus
- G. Taking up awareness initiatives and environment-centric activities

A. Energy conservation and management.

- To install power efficient appliances for example using LED bulbs in the college campus to save energy.
- To put smart sensors to minimize unnecessary consumption of the resources. For example, using motion sensors as a switch to lighting in the campus.
- Use of natural lighting and ventilation is encouraged whenever possible.

- To create awareness that small actions matter- Save Energy Labels/Posters can be put up at various locations of the institute to inculcate the ideas.

B. Waste management:

- Imposing restrictions on single-use plastics.
- To install and use sanitary napkin disposal machine.
- Promote reuse, reduce and recycle policies in partnership with Gandhinagar Municipality.
- Segregation of dry wastes and wet wastes.
- Further segregation of dry waste such as paper, plastic and other wastes.
- Encourage in campus strategies for dealing with organic waste using composting.
- Preference to eco-friendly items and material for packaging and decorations as well as for gifting/ memento and felicitating guests, during various programs.

C. Water Conservation and Management:

- To save excess water by repairing of leaks in taps and pipes.
- Planting indigenous variety of xerophytic plants such as Aloe vera, Agave species, Dracaena, Croton, etc., requiring less water.
- To create awareness that small actions matter by putting up Save Water labels /posters in various places in the College.
- Organizing water conservation activities such as drawing competition among students for better awareness.

D. Clean & Green Campus:

- To undertake tree plantation drive through Eco Club, NCC and NSS units.
- To enhance lush-green cover of campus by planting more indigenous trees and creating aesthetically pleasing environment.
- To reduce local air pollution emissions using environment-friendly vehicles, including bicycles, public transportation and use of pedestrian friendly roads.
- To maintain cleanliness and sanitization throughout the campus.

E. Paperless operating procedures:

- To move towards a paperless administration encouraging communication in college through emails and other virtual platforms.
- Digital storage of documents using third-party applications.
- To form course-wise online groups for paperless communication.
- To have a fully functioning college website for putting up agendas for the near future.

F. Ban on single-use plastics in the Campus.

- To attempt towards a plastic free campus with the prohibition on the use of single use plastic on campus.
- To promote guest lectures from experts on boosting the awareness in this area.
- Preference to eco-friendly items and material for packaging and decorations as well as for gifting/memento and felicitating guests during various programs.

G. Taking up awareness initiatives and environment-centric activities.

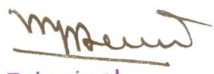
- As a part of syllabus, the students are educated for environment awareness.
- We aim to implement green literacy programs within the institute. These programs serve to raise environment awareness, empower students and foster responsible citizenship.
- Students incorporate green initiatives into their projects and assignments. These projects align with our mission to protect the environment.
- We collaborate with local environmental organizations, government agencies, and community leaders
- Our goal is to nurture environmentally responsible citizens who carry forward these principles beyond their academic journey.
- Students become advocates for sustainable living, influencing their peers, families, and communities.

Conclusion

Commitment to a Green, Clean, and Eco-Friendly Campus

- As we embark on this journey toward sustainability, we recognize that flexibility and adaptability are essential. Our strategies and procedures will evolve to meet the dynamic needs of our college community and the environment.
- We will ensure that all stakeholders- students, staff member, and employee receives clear communication about this policy. By adhering to this policy, we collectively contribute to a greener campus. Regular reviews will assess our progress. We remain open to innovative ideas and adjustments as needed. Our goal is not just compliance but active participation.
- Let us inspire each other to make sustainable choices. Together, we create a campus that reflects our shared values—a place where green practices thrive, cleanliness prevails, and eco-friendliness becomes second nature.




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