



# **Government Science College, Gandhinagar**

**Affiliated to Gujarat University, Ahmedabad**



## **Policy Document on the Green campus/ Plastic free campus**



# **Institutional Policy On Environment and Green Initiatives**

## **Government Science College, Gandhinagar**

Government Science College, Gandhinagar affiliated to Gujarat University was established in 1970, is a premium institute of higher learning. Placed in an eco-friendly campus, the college is home to the well-diversified flora and fauna. This emphasizes the requirement for environmental protection and the maintenance of the harmony between humans and the environment. The college, which fosters a vibrant learning environment by equipping students with knowledge and skills, has the fundamental responsibility of protecting and preserving the environment.

### **➤ Scope of the Policy**

The Green Campus, Energy and Environment policies will develop exciting new co-curricular and extracurricular activities that encourage students to take the lead in creating positive change. These initiatives call for a thorough review of all infrastructural, administrative functions from the standpoints of energy efficiency, sustainability and the environment.

This policy's key areas include following steps are:

- (1) Clean Campus Initiatives
- (2) Green Landscaping Initiatives
- (3) Clean Air Initiatives
- (4) Alternative Energy sources and installation of Energy Efficiency Equipment
- (5) Water Conservation measures
- (6) Waste Management measures
- (7) Environmental Awareness programme
- (8) Environmental Audits

### **➤ Objectives of the Policy:**

- Protect and conserve ecological systems and resources within the campus.
- Integrate environmental concerns into policies and outreach activities.



- Ensure judicious use of environmental resources for present and future generations
- Collaborate with stakeholders and the local community to increase acceptance of environmentally sound practices, raise awareness of them, and mitigate any negative effects they may have on the environment
- To conduct environmental and energy audits from time to time.
- To reduce the usage of paper in administration by implementing an e-governance policy and minimizing use of plastics within campus.
- To make plastic free Campus.
- To create a **Clean and Green Campus** where eco-friendly activities and instruction work together to encourage sustainable practices both on and off campus.

➤ **Policy on Environment and Green Initiatives:**

As part of the initiatives under Institutional Policy on Environment and Green Initiatives we had made the following method and operating procedures to be followed in the college under different criteria as stated below:

**(1) Clean Campus Initiatives:**

- Institution actively coordinates cleanliness activities within the college and beyond the campus, aligning with the vision of the Swachh Bharat Abhiyan. College sees cleanliness as a fundamental component of educated personalities, including both environmental and personal cleanliness. We are dedicated to provide an appropriate instruction and fostering a culture of understanding among our students.
- The college aims to be plastic-free and minimize paper usage through e-governance policies.
- To develop Clean and Green campus is a place where environmentally friendly practices and education combine to promote sustainable and ecofriendly practices in the campus and bring the positive effects.
- Every undergraduate student must take an environmental science course as part of Curriculum that makes the need for environmental protection.
- Educating students and staff members about cleanliness and hygiene through awareness campaigns and cleaning initiatives. The goal is to inspire them to make a proactive contribution.



- The community service projects carried out by the students of NSS, Eco Club, and Saptadhara Committee include activities under the "Swachh Bharat Abhiyan."
- To spark keenness among the student body, activities including contests for posters and slogans, essays, elocution on "Swachh Bharat" will be organized.
- Remove all waste materials in a proper manner, including e-waste, broken furniture, useless equipment, and so forth.

**(2) Green Landscaping Initiatives:**

Creating an ideal college campus environment involves several green initiatives that promote sustainability and benefit both the campus community and the surrounding Environmental area. It offers areas for study, recreation, outdoor activities, relaxation and aesthetic enjoyment. The College's campus landscaping garden projects are an excellent approach to raise environment awareness because its beauty is so visible and accessible. Land scaping garden show principal characters such as Unity, Focalization, Space, Colorful a flower, Foliage plants, Arch gate with climbers of Passiflora, Allamanda, Jacquamontia, and Quisqualis plant species with colorful flowers which increase the beauty of campus garden.

**(3) Clean Air Initiatives:**

- Planting *Areca Palm, Snake Plant, Aloe vera, Z- plant, Piece lily* etc., air-purifying plants for absorbing air pollutants and maintaining green spieces enhances air quality.
- We promote the usage of public transit among our students and staff.
- Encouraging carpooling, cycling and use of electric vehicles minimizes vehicular emission.
- Promoting clean and healthy environmental energy sources reduces over all pollution.

**(4) Alternative Energy sources and installation of Energy Efficiency Equipment:**

- We are dedicated to minimize and sustainably manage the consumption of electricity.
- Solar power plants and energy-efficient equipment are part of the infrastructure in Institution.
- To solve the problem of global warming and to preserve the environment, efforts have been made to save electrical energy by installing solar panels in the college building.



- Use energy-efficient LED bulbs and ensure lights are turned off when not needed.

#### **(4) Water Conservation measures:**

We acquire the following measure to manage the use of water.

- Minimize the unwanted use and wastage of water.
- Immediate steps to stop any water leakage through taps, pipes, tanks, to flush etc.
- Rain water harvesting systems processes are implemented in institution laboratory.
- Providing sessions on water conservation to generate awareness.

#### **(5) Waste Management measures:**

We are dedicated to reduce and manage the waste produced by the college campus in order to reduce its adverse impact on the environment. With its aim to provide valuable education that also has a positive impact on the environment, the college will manage following practices.

- Plastic Waste and organic waste management are implemented.
- As a part of Plastic Free Gandhinagar Project to collect Plastic Waste from and beyond Institution campus and submit to Gandhinagar Municipal Corporation, Gujarat.
- It is planned to make the organization self-sustainable by reducing the cost of manure by producing organic manure through vermicompost process.

#### **(6) Environmental Awareness programme:**

- Effective outreach and education play a pivotal role in ensuring that all members of the campus community appreciate the policy's objectives and actively contribute to its implementation.
- Our comprehensive on environmental awareness programs aim to empower students, faculty, and the community.
- We actively endorse and promote awareness campaigns, seminars, workshops, conferences, and other interactive sessions. These initiatives play a pivotal role in facilitating the effective implementation of the Green Campus policy, as well as our Energy and Environment policies.



- Our institution actively encourages all various departments and specific student organizations, such as Eco Club, NSS, NCC to organize events, competitions, and training sessions regarding Environment awareness. These initiatives aim to foster positive environmental changes at the grassroots level. Additionally, the college supports these departments and student associations in shaping students into active agents of environmental protection and conservation.

#### **(7) Environmental Audits:**

- The college aims to regularly conduct a Green Audit of our college campus to evaluate our strengths and weaknesses to meet our goals of long-term sustainability.
- A green audit is a useful tool to determine how and where most energy or water or resources are being used.
- It will create health consciousness and promote environmental values and ethics. It provides a better understanding of the impact of ecofriendly practices on campus. Green auditing will promote financial savings through reduction of resources use.

#### **❖ Conclusion:**

The growing popularity of the ‘green campus’ concept among students reflects institutional strides toward sustainability and eco-friendly practices. As these principles permeate student consciousness, they become ambassadors, spreading the message to their homes and the broader community. By implementing this policy, we safeguard ecological systems and resources on campus, ensuring their prudent use for current and future generations. Collaborating with stakeholders and the local community, we forge a path towards sustainable environment.

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