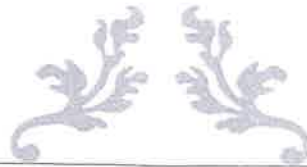




GURU NANAK DEV ENGINEERING COLLEGE, BIDAR



GREEN CAMPUS POLICY



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CLEAN AND GREEN CAMPUS POLICY

Introduction

Guru Nanak Dev Engineering College, Bidar (GNDECB) envisions a Clean and Green Campus where environmental friendly practices and education combine to promote sustainable and eco-friendly practices in and beyond the campus. The green campus concept allows the institution to redefine its environmental culture by instilling environmental ethics among students and staff. The Institute also promotes a 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.

The increasing human footprint on earth poses great environmental challenges that continue to grow. An unprecedented effort is required to alleviate the adverse effects that human activities have on the ecosystem, which in turn, alter how we interact with the earth and with each other. The inclusion of all approaches to problem-solving will be necessary to effect a meaningful change.

Vision

The vision is to create awareness among young students and the public about various environment-related problems and the conservation of nature and natural resources in the surrounding areas and educate them on how to live Eco-friendly.

Mission

- To bring awareness among the students about the hazards of spoiling the environment.
- To help the students understand each individual's responsibility to take the initiative to save the environment.
- To help students take small steps in saving the environment and improving the quality of life.

Objectives

- To encourage students to keep the environment clean.


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- To educate students to create awareness amongst the public.
- To make students understand the importance of the environment and its problem areas.

Functions

- To sensitize the students to minimize the use of polluting products.
- To motivate students to adopt environment friendly practices, which include use of paper bags, saving electricity, etc.
- To take necessary steps to protect the environment.

Outcomes

- Awareness is created about the hazards that are having adverse impact on the environment.
- Students and teachers realized their responsibilities to save the environment.

ENVIRONMENTAL POLICY OF THE COLLEGE

Guru Nanak Dev Engineering College, Bidar, is to protect its environment with green campus initiatives and maintains a clean, pollution-free, green campus. Environment development is essential to the educational policies implemented on the campus.

The Institution is committed in managing its campus in accordance with responsibilities towards promoting a sustainable environment. These responsibilities can be demonstrated within the following areas:

- **Green Environment and Clean Campus**
- **Solid Waste Management**
- **E-Waste Management**
- **Liquid Waste Management**
- **Maintenance of Water Bodies**
- **Paperless operating procedure**
- **Landscaping with Trees and Plants**
- **Energy Use and Conservation**


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- **Noise Pollution Management**
- **Air Pollution Management**
- **Restricted Use of Automobiles**
- **Ban on Single-use Plastics on the Campus**
- **Display Boards on College Campus**
- **Green Audit**
- **Energy audit**

Green Environment and Clean Campus

The students are given strict instructions to keep the Campus clean, which is reflected in the posters. Several Quotes related to the importance of a clean and green environment are displayed on the Campus.

A gardener and supporting staff are appointed to maintain a litter-free, clean, and Green Campus.

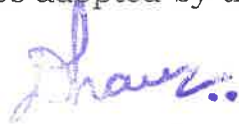
Solid Waste Management

The College focuses on ensuring minimal waste is generated on the Campus. Solid waste is segregated as biodegradable and non-degradable and handed over to CMC (City Municipal Corporation) as a part of the **Swachh Bharat** initiative for Clean and Green Bidar. All Departments and classrooms are provided with dustbins for dry waste disposal. Waste segregation into dry and wet waste from the separately allotted dustbins is done strategically, thus maintaining the Campus clean and Eco- friendly.

The use of sanitary disposal machines is one of the best practices adopted by the college towards eco-friendly disposal mechanisms.

E-Waste Management

Proliferation of electronics comes with the challenge of their proper disposal. The college is grappling with ways to efficiently and cost-effectively handle the issue of electronic waste, or e-waste, on Campus. It's normal for people to discard products due to normal wear and tear. Still, technological advancements have accelerated e-waste growth as students, faculty and administrators frequently


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upgrade to better gadgets. This surge has forced college administrators to carefully examine and address the environmentally responsible disposal of these products on a campus-wide scale.

The college adopts the most scientific and eco-friendly e-waste disposal mechanisms, such as AMC is maintained to review the effective functioning of CPUs and Monitors periodically, and expert recommendations are followed to dispose of the same. All Electronic waste CPUs, Hard disks, and Laboratory Equipment scrap are periodically sold out. The institution has a contract for approved E-Waste Management and Disposal facility to dispose of E-waste scientifically. Obsolete workable computers, printers and other equipment discarded by departments are sold as scrap. UPS Batteries are recharged and repaired by the suppliers.

B. Suitable budget is allocated to upgrade the systems.

Liquid Waste Management

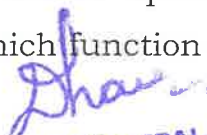
Next to air, water is the most important element for preserving life. Water is a finite commodity that, if not managed properly, will result in shortages soon. Water conservation can go a long way to help alleviate these impending shortages.

Students are made aware that conserving water is equivalent to conserving their future. Disposable bottles are not allowed.

In-house - plumbers attend promptly to fix leakages and waste of water.

Maintenance of Water Bodies

The Institution aims to provide the best services to the students in all possible ways, in education facilities, infrastructure, and basic necessities like water. The Institutions water need are met by bore wells. There are five bore wells with 150-200 feet depth. The Institution has a good storage of groundwater, drinking water and water for cleaning purposes. For drinking purposes, the Institution has R.O. purifiers. The rooftop is equipped with water tanks. Overall, the campus has 5 Water coolers installed on the Campus to meet students' needs. Apart from the groundwater, the college has rainwater harvesting pits, which function efficiently during the rainy season.


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It is made mandatory to clean and disinfect water holding tanks at least monthly once or more often if required. This is to remove algae (plant growth that produces bad tastes and odours), silt, and bacteria which may be harmful. Cleaning methods that are followed at Guru Nanak Dev Engineering College:

1. Empty the tank.
2. Scrub or pressure wash the interior walls to remove dirt and grime.
3. Rinse out the tank.
4. Mix a solution of household bleach and water (1 tablespoon or 15 ml of bleach for every gallon of water).
5. Scrub or pressure wash the interior walls of the tank with this solution and leave it to sit for 2 hours.
6. After 2 hours, thoroughly rinse the tank with clean water.
7. Refill with potable water.

Water filters are replaced periodically to provide the students and staff with pure drinking water.

Paperless Operating Procedure

Guru Nanak Dev Engineering College 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. The college believes that "going paperless" can save money, boost productivity, save space, make documentation and information sharing easier, keep personal information more secure, and preserve the environment.

Several initiatives are taken to minimize the usage of paper. Automation and digitization are introduced wherever possible with the help of ERP software CAMU. 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 students than paper communication. Social media is widely used for all types of internal communications.


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E-communication and public address systems is widely used to reduce paper usage in notices and circulars.

The college has also introduced a "Learning Management System" wherein references, notes, syllabus question banks, and study material is stored and shared on the e-platform, avoiding massive usage of paper. The teachers have also experimented with alternatives to paper-based testing with e-assignments and other skill-based tests like presentations, group discussions etc.,

Landscaping with Trees and Plants

Guru Nanak Dev Engineering College organizes a Tree Plantation program every year at the college Campus. Students and staff enthusiastically initiate and participate in the tree plantation drive in and outside the campus. College celebrates "**World Environmental Day**" on June 5th every year and "**International Plantation Day**" by conducting competitions among students and talks by eminent people to bring awareness. The plantation program includes the plantation of various types of ornamental ,medicinal varieties and wild plant species in large numbers. This program promotes an eco-friendly environment by stepping up the oxygen levels on the campus.

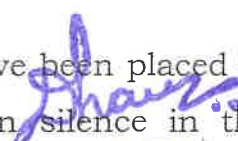
Energy Use and Conservation

A) Use of LED Bulbs in College: 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 lighting to save and conserve energy.

B) Conducting Energy Audit: An energy audit of the consumption of electricity in the college is conducted every academic year. This audit aims to identify the extent of energy consumption and find appropriate strategies for conservation.

Noise Pollution Management

- 1. Silence zones in the College:** Various display boards have been placed in the library and other places for awareness to maintain silence in the college.


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- 2. Noise control in the College:** The security guard and the Physical Director of the college ensure smooth entry and exit of students without any noise.
- 3. No pressure horns for vehicles:** Our staff members and students are asked to refrain from pressure horns.

Air Pollution Management

- 1. Periodic Awareness Programme for Staff, Students and Society:** The college conducts awareness programmes for staff, students and society for protecting and maintaining the environment. Environment awareness programmes, rallies, etc., are conducted on various environmental and health issues.
- 2. Establishment of Oxygen Park, a plantation of oxygen-rich plants:** The college has a beautiful green campus. A range of medicinal plants and fully grown trees like Neem and Banyan trees makes the campus Oxygen Park.
- 3. "No Smoking, No Tobacco" in campus area:** Tobacco and tobacco products are strictly prohibited on the college premises and consuming Tobacco and tobacco products is a punishable offence. The instructions regarding this are given to the students and the staff members. The boards are displayed at various places in the college.

Restricted Use of Automobiles

Patterns of parking and driving around campus have significant effects on campus life and the environment at large. While it is a relatively small issue in the context of the operations of the college, reducing driving behaviour fits within many of the other initiatives that the college has set forth to achieve, such as the Sustainability Initiative and creating well-rounded citizens of the community at large. Currently, the college is beginning to monitor its carbon footprint and focus on a more environmentally sustainable campus, which conflicts with the increasing number of cars and parking lots on campus. So this institute has adopted restricted use of automobile entry through its laid out parking policy which restricts the students to use only 2-wheelers and not allowing them to use 4-wheelers. Though the college campus can accommodate 500 vehicles, this


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