

7.1.3.3 Clean-Green-Campus-Policy-7

ENVIRONMENTAL POLICY OF THE COLLEGE

Navsahyadri Group of Institute Degree and PG College is a quality conscious college. It protects its own environment with its green campus initiatives and maintains a pollution free green and clean campus. Environment development is its basic work with the educational policies implemented on the campus.



The Institution is committed to managing its campus in accordance with responsibilities towards promoting 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**
- **Soil Management**
- **Maintenance of Water Bodies**
- **Water Conservation and Management**
- **Paperless operating procedure**
- **Landscaping with Trees and Plants)**
- **Roof Gardening Initiative**
- **Energy Use and Conservation**
- **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**

Green Environment and Clean Campus

The students are given strict instructions to maintain the campus clean and it is reflected in their handbooks. Several Quotes related to the importance of clean and green environment are displayed on the campus.

A gardener and full time adequate support staff are appointed for the maintenance of litter free clean and Green Campus.

Solid Waste Management

The college pays dedicated focus to see that minimal waste is generated in the campus. Solid waste is segregated as bio degradable and non-degradable and handed over to. All Departments and classrooms are provided with dustbins for dry wastage disposal. Segregation of waste into dry and wet waste from the separately allotted dustbins is done in strategic locations, thus maintaining the Campus clean and Eco- friendly

Use of sanitary disposal machine is one of the best practices adopted by the college towards eco-friendly disposal mechanisms.

E -Waste Management

With the proliferation of electronics also comes 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 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 college administrators to carefully examine and address the environmentally responsible disposal of these products on a campus-wide scale.

The college 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. The institution has a contract for approved E-Waste Management and Disposal facility in order to dispose E-waste in

scientific manner. 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.

B. Suitable budget is allocated to upgrade the systems.

Liquid Waste Management

Next to air, water is the most important element for the preservation of life. Water is a finite commodity which, if not managed properly, will result in shortages in the near future. 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. Drinking water from the tap, and refilling bottle as often as the students need is one of the best practice followed at Navsahyadri Group of Institute .Disposable bottles are not allowed.

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

Soil Management

The college has started vermicomposting culture during 2013-14 on 89 Sq. feet (356 cubic feet). In this process the college is able to produce 100kgs vermicompost approximately per month and after completion of this process of vermicomposting, the same is used as manure. The main benefits of this process is to reduce the waste in the environment and also it works as a cost saving measure. The main objective of this culture is to understand the benefits of composting and organic farming.

Solid waste from bird droppings, food leftovers from the canteen is treated and converted into vermicompost in the vermicompost pit.

Maintenance of Water Bodies

The Institution aims to provide the best services to the students in all the possible ways, in education facilities, in infrastructure and in basic necessities like water. The institution functions with the help of ground water. There are two bore wells with 80 feet and 150 feet respectively and with the municipal water which comes in every alternate day. The institution has a good storage of ground water, drinking water and water for cleaning purpose. 50000 liters capacity underground tank is

exclusively set for Fire-Safety and it gets filled with rain water. And for drinking purpose, the Institution has R.O purifier, which purifies and separates drinking water and waste water. That waste water is used for cleaning purpose. Every floor is equipped with Sintex and water coolers. Overall, the campus has 11 Water coolers, which are installed in every floor to meet the students need. Apart from the ground water and municipal water, the College has rain water harvesting pits, which function efficiently during rainy season.

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 which produces bad tastes and odors), silt, and bacteria which may be harmful. Cleaning methods which are followed at Navsahyadri Group of Institute:

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 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

Water Conservation and Management

The institution is located in the Hilly area. the college Knows the value of every drop of water and saves the rain water strategically for future use. Hence the college has installed rainwater harvesting mechanism. The rainwater is accumulated and deposited for reuse. The water collected is directed to a deep pit of bore-well for later use. Even the ground water is directed towards the plants. In spite of having maximum number of students, the institution does not face any water crisis even in the summer time. Although rainwater harvesting is gaining popularity as a sustainable water saving system in urban as well as rural areas, estimating required storage area for water remains an important design challenge and so our college has designed an effective plan with multiple pits which we collect rain water for storage.



The college has one well and one bore well recharge systems to renew bore wells with rain water.

Paperless Operating Procedure

Navsahyadri Group of Institute 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. Josephites believe that "going paperless" can save money, boost productivity, save space, make documentation and information sharing easier, keep personal information more secure, and help the environment.

Several initiatives are taken to minimize the usage of paper. Wherever possible automation and digitization are introduced which helped 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 rather than paper communication. What's app - class wise groups, Department wise groups, 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 college 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 experimented with alternatives of paper -based testing with e- assignments and other skill -based tests like presentations, group discussions etc.,

Landscaping with Trees and Plants

NGI organizes Tree Plantation program every year at the College Campus. Faculty and students take part in the **Harita Haram Programme**, a green initiative of the government. Students and staff enthusiastically initiate and participate in the tree plantations drive on the campus and also outside the campus. Environmental promotional activities conducted in collaboration with GHMC and other eminent collaborators bring awareness among the students regarding advantages of tree plantation for an Eco-friendly Environment. College celebrates "**The World Environmental day**" on June 5th every year and "**International Plantation Day**" by conducting competitions among students and also talks by eminent people to bring awareness. The plantation program includes plantation of various types of ornamental and medicinal variety, wild plant species in large numbers. This program promotes eco-friendly environment, by stepping up the oxygen levels on the campus.

Roof Gardening Initiative

The college maintains roof garden. With rooftop gardens come another environmentally friendly and booming initiative – "urban agriculture." This involves using green roofs as miniature farms that actually produce fresh food. Other than the different types of bushes, trees, plants, and invertebrates rooftop gardens can harvest, they can also be a perfect habitat for many birds, and act as a stopover for migrating species, allowing two different type of these to come into contact. In addition, because of the decreased pollution levels and the increase in water and air quality provided by rooftops, demands for health care and stress could be reduced. Less stress levels also means happier and more productive staff.

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 bulbs to save and conserve energy.

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

Noise Pollution Management

A) 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.

B) 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.

C) No pressure horns for vehicle: Our staff members and students are asked to refrain from pressure horns

Air Pollution Management

A) Periodic Awareness Programme for Staff, Students and Society: The College conducts awareness programmes for staff, students and society for protecting and maintaining environment. Environment awareness programmes, rallies, etc. are conducted on various issues related to environment and health.

B) Establishment of Oxygen Park, plantation of oxygen rich plants: The College has a beautiful green campus. A range of medicinal plants and old trees like Neem Trees and Tulsi make the campus Oxygen Park.

C) “No Smoking, No Tobacco” in campus area: Tobacco and tobacco products are strictly prohibited in 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.

D) Free pollution check-up of 2W/4W: To create awareness about environmental ethics the students through periodic notices are asked to go for PUC certification of their vehicles.

The college provides a free service of pollution check up every year for the students and staff vehicles in the college campus for a pollution-free environment.

Restricted Use of Automobiles

Patterns of parking and driving around campus have significant effects on campus life and the environment at large. While it seems like a relatively small issue in the context of the operations of the College, reducing driving behavior 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 is in conflict with the increasing number of cars and parking lots on campus. So Navsahyadri Group of Institute has adopted restricted use of automobiles entry through its clearly laid out parking policy which restricts the students to get only 2 wheelers, not allowing them to get 4 wheeler. Though college campus has the capacity to accommodate 500 vehicles but this policy restricts them to only 300. In sync with the Green Policy, only 30 percent of the staff use parking space for their private vehicles, while the rest of them depend on public transportation.

Ban on Single-use Plastics on the Campus

IT has been constantly adopting practices and revising its policies towards a cleaner and plastic-free campus.

Following the MHRD and UGC guidelines on 2 October 2019 to educational institutions across the country, St. Navsahyadri Group of Institute has issued a notification to Students and all Stakeholders that there would be a ban implemented on the use of single use plastics on the campus with effect from 15 October 2019.

The institution through its NAVSAHYADRI GROUP OF INSTITUTE conducts sensitization programs on the harmful impact of single-use plastics and mandates all the students to avoid bringing non-bio-degradable plastic items to the institution, which include plastic bags, cups, plates, small drinking water bottles, straws and sachets. The institution facilitates environment friendly substitutes like stainless steel, washable and reusable tumblers at all water units and mandates the canteen to serve only in paper plates and paper cups to systematically ban the use of plastics on the campus.

The Navsahyadri Group of Institute Green Group also encourages the students to sensitize their respective households about the harmful effects of plastics and make their households plastic-free.

Display Boards on College Campus

Various boards that promote environmental awareness and ethics -- noise control, tobacco free campus, conservation of energy, recycling of resources, tree plantation etc are displayed for all the stakeholders.

Green Audit

Navsahyadri Group of Institute College committed to create “an environment of educational excellence” adopts the ‘Green Campus’ system for environmental conservation and sustainability. The College conducts Green Audit every year to identify, quantify, describe and priorities a framework of Environment Sustainability in compliance with the applicable regulations, policies and standards. A gardener and full time staff are appointed for the maintenance of clean and Green Campus

These strategies are incorporated into the institutional planning and budgeting processes with the aim of developing a clean and green campus. The institution is committed to make necessary efforts to involve the students, faculty and staff in “Green Campus Initiatives” by designating volunteers, printing T-shirts/ Caps with green campus initiative slogan specially designed for the purpose.