



Government Science College, Vankal

માન્યતા- શિક્ષણ વિભાગ, ગુજરાત સરકાર ઠરાવ ક્રમાંક:જીસીઓ/1512/ન.બા.-13/ખ D:
21/4/2012

Affiliation:- Veer Narmad South Gujarat University, College Code-340

Address:- At Po:- Vankal -394430 Ta:- Mangrol Dist:- Surat

Principal Name:- Dr. Parthivkumar Kantilal Chaudhari

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CLEAN AND GREEN CAMPUS POLICY DOCUMENT

About College:

Located in the tribal region of South Gujarat, Government Science College, Vankal is one of the premier public funded colleges in the state of Gujarat. The College was established by the Department of Education, Government of Gujarat in the year 2012 to provide and promote quality education to the youth coming from underprivileged tribal communities. The College is affiliated to the NAAC accredited "B++" Grade Veer Narmad South Gujarat University, Surat. The College campus is well connected by the road to major cities like Surat and Vadodara as the National Highway no. 8 is just 30 km from the College. The two major cities and airports of Gujarat namely Surat and Vadodara are just 65 km and 120 km away respectively.

Since its inception, the College has been playing a pivotal role in bringing about a marked change in the erstwhile underdeveloped tribal region by enrolling around a 1000 students every academic year. The students mostly come from the socially underprivileged tribal communities such Chaudhari, Vasava, and Gamit from the Talukas of Mangrol, Mandvi, Umarpada, Ankleshwar etc.

The College commenced its journey from the academic year 2012-13 in a rented campus of the ND Desai Higher Secondary School, Vankal with just four faculties comprising two in the Department of Chemistry, one each in the Departments of Zoology and Botany. Later on it shifted to the campus of the Government Arts and Commerce College, Vankal (presently Shree Atal Bihari Vajpayee Arts ad Commerce College) in the year 2016. It was in the year 2017 that the College moved to its own campus which is located on the right side of the Mangrol-Zankhvav Road (State Highway 166). Since then, it has ever flourished as an infrastructurally well developed and academically sophisticated institution for higher education in the Sciences. Nestled in the valley of Banbha Dungar (Banbha Hills), the College has a three storey building consisting of various departmental labs empowered with modern Laboratory equipment, classrooms equipped with ICT tools such as Smart Board, Projectors with Screen and an Auditorium capacious enough to serve a gathering of around a thousand people. The College has a hall dedicated to Administrative activities along with the Principal's Office, a Computer Lab, and a multidisciplinary Library boasting of latest volumes on different scientific disciplines.

THE CLEAN AND GREEN CAMPUS POLICY



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A green campus policy in tribal areas is crucial for sustainable development, preserving local ecosystems, and promoting environmental stewardship among indigenous communities. It fosters biodiversity conservation, enhances resource efficiency, and empowers tribal populations with eco-friendly practices, ensuring harmonious coexistence with nature for future generations.

Mission:

The green campus policy aims to transform college campuses into models of sustainability by integrating eco-friendly practices. It seeks to reduce carbon footprint, promote renewable energy use, conserve resources, and educate the community on environmental responsibility. This mission strives for a greener future through proactive campus-wide initiatives and student engagement.

Objectives:

- 1. Education and Awareness:** Educating students about environmental issues, sustainability practices, and their impact on local and global ecosystems.
- 2. Behavioral Change:** Encouraging students to adopt eco-friendly habits such as recycling, reducing energy consumption, and using sustainable transportation options.
- 3. Participation and Engagement:** Engaging students in campus-wide sustainability initiatives, events, and projects to promote active involvement in environmental stewardship.
- 4. Advocacy and Leadership:** Empowering students to advocate for green policies, drive change within the campus community, and lead by example in sustainable practices.
- 5. Impact and Innovation:** Inspiring students to innovate solutions to environmental challenges, contribute to research on sustainability, and implement practical initiatives that benefit the campus and beyond.

Initiatives Taken to Implement the Clean and Green Campus Policy:

By carrying out following activities our college is maintaining its campus clean and green.

- Landscaping with trees and plants
- Ban on Single use plastic



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- Solar plant of 36 KW college terrace
- Use of LED bulbs and tubes and power efficient equipment
- Rainwater harvesting
- Paperless office administration and communication
- Solid Waste Management
- Decompose of biodegradable waste to produce green manure
- Drip irrigation
- Display boards to promote environment sensibility in college campus
- Installation of Pad vending machine and incinerator in girl's toilet block
- Observance of days to protect and nurture Environment
- The Green and Energy Audit

Landscaping with trees and plants:

As per our Institute's clean and green campus policy we have planted numbers of trees and plants of garden variety, fruiting plant, wild variety, and herbal variety inside and outside of the campus. To maintain garden and campus clean and litter free gardener and maintenance staff is appointed. Our Botany department's dedicated faculty and students are always conscious about keeping garden green. The tree plantation drives are undertaken by college students regularly. The vermicomposting area developed in campus is making natural manure for plants of the campus.

Ban on Single use plastic:

In our college campus there is a complete ban on single use plastic to make our institute environment friendly.

Solar plant of 36 KW college terrace:

The college has installed 36 KW solar plant on terrace of main building. There is a decrease in electricity bills since the installation of these solar plants.



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Use of LED bulbs and tubes and power efficient equipment:

The college has installed power saving LED bulbs and tubes to save electricity in campus. The college has also purchased power efficient equipment to save electricity for better tomorrow.

Rainwater harvesting:

Rainwater harvesting is the initiative taken by our college to conserve water. The outlets of rainwater from rooftop are connected to underground tank as well as bore well located in our college which ensures zero wastage of rain water. This initiative helps us to recharge ground water in bore well.

Paperless office administration and communication:

Paperless communication in our college campus reduces environmental impact by saving trees and reducing waste. It enhances efficiency through instant dissemination of information, improves accessibility to documents, and lowers costs associated with printing and storage. Additionally, it supports a modern, digital learning environment that prepares students for the digital age. We use WhatsApp facility to communicate with students and faculty. One side blank pages are reused other side to reduce wastage wherever it is possible. Digital study material or scanned copy of study material are also provided to students which helps us to save paper.

Solid Waste Management:

Solid waste management in our college involves efficient segregation, recycling, and proper disposal of waste to minimize environmental impact. It educates students on waste reduction, encourages composting, and promotes sustainable practices. Our effective management ensures a cleaner campus, reduces landfill usage, and fosters a culture of environmental responsibility among students and staff.

Decompose of biodegradable waste to produce green manure:

Vermicomposting of biodegradable waste in our college involves using worms to break down organic waste like food scraps, green waste of garden and paper into nutrient-rich compost. It's practiced in designated area, offering students hands-on experience in sustainable waste management. Benefits include reducing landfill waste, producing high-quality fertilizer for campus gardens, and teaching ecological principles. Vermicomposting also supports



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sustainability goals, educates about natural processes, and cultivates a sense of environmental stewardship among students.

Drip irrigation:

Drip irrigation system installed in garden of our college benefits college campuses by conserving water through precise delivery to plant roots, minimizing evaporation and runoff. It promotes healthier plant growth, reduces weed growth, and lowers maintenance costs. Additionally, drip systems support sustainable landscaping practices, enhance campus aesthetics, and demonstrate environmental stewardship to the community.

Display boards to promote environment sensibility in college campus:

Different slogans, quotes and notice displaying boards keeps our students and staff concern about environmental sensibility.

Installation of Pad vending machine and incinerator in girl's toilet block:

The college has installed Sanitary Pad vending machine and incinerator in girl's toilet block to keep campus more hygienic.

Observance of days to protect and nurture Environment:

On the occasion of various days like World Environment Day, Wildlife Week, World Tribal Day, World Biodiversity Day, World Sparrow Day, World Water Day, Independence Day etc. our college organized different events like rallies, awareness campaign, cleanliness drive, rangoli competition, Bird Watching program, tree plantation, study tour, and guest lectures.

The Green and Energy Audit:

The Green, Environmental and energy audit of the college is done by Green Energy Audit, Baroda. The initiative regarding this is taken by the Institute.



Parthivkumar

Principal
Government Science College
At. Po. Vankal,
Tal. Mangrol, Dist. Surat