

St. Ann's College for Women
(Autonomous), Affiliated to Osmania University,
Accredited 'A+' Grade by NAAC (3rd Cycle),
College with Potential for Excellence by UGC,
ISO 9001: 2015-ISO 14001: 2015
Hyderabad- 500 028, India



GREEN AND ENVIRONMENT POLICY



Preamble

St. Ann's envisions a Clean and Green campus by providing opportunities to students to participate in environment friendly activities and motivating environmental awareness among them. The green campus and environment policy aims to adopt, practice and promote the values of environmental education and awareness in several innovative measures to ensure sustainable practices among the youth so as to behave with positive attitude towards nature and inculcate the idea of being environment conscious in all their actions to save and protect the planet. The policy will be coordinated by Eco-club.

1.0 Scope

This policy applies to all the stake holders of St. Ann's College for Women, Autonomous - Management, Staff, Students and all those who use the campus, to adhere to the Green policy and the code stated herein.

2.0 Members

The implementing team will have the following members.

1. Principal
2. Deans
3. Coordinator / Convenor Eco club
4. Eco club Faculty members
5. NSS P.O.
6. NCC P.O.
7. Outreach Coordinator
8. **Student coordinators:**
 - a. President- SQAC
 - b. Vice President – SQAC
 - c. Eco club /NSS/NCC/Science club student coordinators and volunteers,

3.0 Roles and Responsibilities

- The institutional Eco club shall perform the role of overall planning, executing and monitoring of all the below-mentioned eco-friendly initiatives of the institution.
- Promote environment consciousness and sustainability among stake holders and neighbourhood community
- Implement Twin Bin system for waste segregation and effective waste management in the campus to minimise pollution
- All the departments shall undertake green initiatives or adopt green practices
- Practice water conservation measures
- Use energy efficient equipment and also take measures to save energy
- The Head of the Organization, Department Heads including Management Representatives are responsible for monitoring the go green initiatives of the College and maintain a clean/green campus.
- Staff and student volunteers from Eco clubs, Science club, NCC, NSS and Outreach units are also responsible for the implementation of the green campus and environment policy in the Organization.

4.0 Objectives

- To grow a large number of plants which are producing more amount of oxygen and absorbing more amount of carbon-di-oxide in the campus.
- To create a pollution-free environment through a proper waste management system and to set a procedure for disposal of all kinds of wastes and increase green cover to provide pollution free air, working as a carbon sink.
- To ensure that the campus is greener in terms of planting a large number of trees, herbs, shrubs, climbers, twins and lawns which in turn not only to reduce the environmental pollution and soil erosion but also useful for biodiversity conservation, landscape management, proper water irrigation, natural topography and vegetation.
- To Implement the green campus initiatives by means of environmentally friendly practices and education combined to promote sustainable and eco-friendly practices in the campus
- To Use alternative energy systems such as solar energy, biogas plant, sensor-based energy conservation and the use of LED bulbs/power-efficient equipment towards energy audit practice
- Pollution free environment through the restricted entry of automobiles, use of bicycles/battery-powered vehicles, pedestrian-friendly pathways, ban on the use of plastics and landscaping with trees and plants.
- Water conservation through rainwater harvesting, bore well recharge, and construction of tanks .

Policy markers

Cleanliness on the campus will be maintained through proper disposal of wastes and steps taken to recycle the biodegradable wastes. Utilization of eco-friendly supplies and an effective recycling programme to maintain the campus free from hazardous wastes. The concept of eco-friendly culture is disseminated among the students as well as neighbourhood community through various awareness programmes, seminars / conferences, reuse and recycle the waste materials. Attempts will be made to limit energy usage and also replace non-renewable energy sources with renewable energy sources.

5.0 Effective measures/plans

Initiatives Taken to Implement the Clean and Green Campus Policy - The Institution is committed to managing its campus in accordance with its Clean and Green Campus Policy by establishing the administrative set up, infrastructure and the following will be done

5.1. Clean and Green campus

The Institution shall take measures to make members aware of the significance of greenery and cleanliness in the campus. As per the policy the college will do -

- Landscaping by planting with trees, shrubs and herbs to have a green cover area of more than 30% in all the available places in the campus
- Strive to create a nature ecosystem containing native & wild plants, butterflies and birds so as to conserve biodiversity
- A separate place shall be allocated for college garden, medicinal plants, herbs and vegetables
- Grow a large number of oxygens producing and carbon-di-oxide absorbing plants
- Educate the importance of environment, water, air, soil, energy, hygiene and etc. to the students and staff members
- Education on the commitment to plastic-free, grow more trees, maintain the nature topology and vegetation and minimize the electrical energy

5.2 Ban on Single-Use Plastic

The Institution shall take measures to promote environmental sustainability by phasing out the use of single-use plastics on campus.

- This policy underscores our commitment to reducing plastic pollution, conserving resources, and fostering a culture of responsible consumption among our students, faculty, and staff.
- Any disposable plastic items intended for one-time use, including but not limited to plastic bags, bottles, utensils, straws, and food containers shall be phased out.
- The college shall actively promote the use of eco-friendly alternatives to single-use plastics, such as reusable containers, compostable materials, and water bottle refill stations.
- Sustainable practices, including waste reduction and recycling, will be incorporated into daily campus operations.

5.3 Energy efficient campus

The Institution shall undertake Energy conservation, energy efficiency and reduction in energy consumption measures at all possible levels

- Encourage use of bicycles, battery operated vehicles, public transport and carpooling.
- **Alternative energy resources like use of solar, biogas will be encouraged**
- All fluorescent and sodium vapour lamps to be replaced with LED bulbs
- Power-efficient equipment-like only Energy /Star rated refrigerators, air conditioners, microwaves shall be procured
- The building is already built with a plan to operate with natural lighting and sufficient cross ventilation so as to avoid artificial lighting and cooling, this strategy would be followed in all new constructions as well
- **Sensor based energy conservation** mechanism for lights shall be used to minimise electricity usage
- **Biogas plant: Biogas offers significant environmental and economic benefits and aligns with our commitment to green and renewable energy solutions. Reduce our organization's reliance on fossil fuels by harnessing biogas for energy needs.**

Minimize organic waste disposal costs and reduce environmental impact.

Foster research, development, and adoption of biogas technologies within our organization. Develop and maintain biogas production facilities capable of processing organic waste generated on our premises.

Reduce organic waste disposal by repurposing it for biogas production, thereby minimizing landfill contributions. Provide training and awareness programs for staff, students, and stakeholders regarding biogas production, its benefits, and safety measures.

5.4 Water management

The Institution shall set measurable water conservation goals, with a focus on reducing water consumption per capita, optimizing irrigation practices, and minimizing water wastage.

- Invest in water-efficient infrastructure, including low-flow fixtures, smart irrigation systems, and leak detection technologies, to minimize water use and losses.
- Explore and implement rainwater harvesting systems and water recycling initiatives to reduce dependence on external water sources for non-potable purposes.
- Incorporate **water conservation education** into the curriculum and launch awareness campaigns to engage students, staff, and faculty in responsible water usage practices.

- **Regular water quality testing** and maintenance of water treatment facilities shall be carried out to ensure the delivery of safe and clean drinking water to the campus community.
- **Landscaping and Green Spaces:** Landscaping practices shall prioritize drought-resistant plants and xeriscaping techniques to reduce irrigation needs, thus conserving water.
- Collaboration with local water authorities, research institutions, and community stakeholders will be encouraged to explore innovative solutions and share best practices.
- **Rainwater harvesting pits** shall be maintained to increase the level of ground water

5.5 Solid Waste Management

The institution strives to implement effective waste management strategies at all possible levels

- Implement twin bin system to segregate waste into degradable and non-degradable waste
- Adopt composting methods and use the compost as bio fertiliser in garden and other plantation areas in the campus
- Hand over the dry-waste like paper and plastic waste for Recycling
- Maintain organic manure pit and vermicomposting pit
- Installation of Incinerator in the Girls' Common Room
- Incinerator shall be used to dispose sharps, needles and sanitary napkins
- Laboratories shall display safety protocols for safe handling of toxic chemicals and their disposal
- Microbial cultures shall be autoclaved and disposed
- Bio medical waste will be collected in colour coded bins and properly disposed

5.6 Liquid waste Management

Implement Laboratory liquid waste management system through percolation system

- A laboratory liquid waste management system shall be planned which utilizes two soak pits for non-hazardous waste, facilitating groundwater recharge.
- Hazardous chemical waste is contained separately and transferred to a disposal unit. Both types of waste are percolated through different systems, with percolation pits filled with gravel and river sand, doubling as rainwater harvesting systems, ensuring environmental safety and resource conservation.
- Liquid waste like acids and bases shall be diluted appropriately before disposal

5.7 Hazardous Chemical Waste Management

- Conduct a thorough risk assessment to identify the types and quantities of hazardous chemicals used in various departments and laboratories within the institution.
- Implement a system for tracking and managing chemical inventories, including proper labelling, storage, and access controls.
- Safety Procedures: Develop clear and standardized procedures for handling, using, and disposing of hazardous chemicals safely. Include guidelines for personal protective equipment (PPE), spill response, and emergency protocols.
- Establish training programs for faculty, staff, and students on safe chemical handling, emergency procedures
- Define storage requirements for hazardous chemicals, including the need for separate storage areas for incompatible chemicals.
- Create guidelines for proper disposal of hazardous chemical waste, including labeling, collection, and transportation to approved disposal facilities.
- Develop an emergency response plan for chemical spills, leaks, or accidents, outlining responsibilities and procedures for addressing such incidents.
- Maintain detailed records of chemical purchases, usage, safety data sheets (SDS), and incidents. Regularly review and update this information.
- Ensure that the policy addresses the environmental impact of hazardous chemicals and emphasizes the importance of minimizing pollution and supporting sustainability efforts.

5.8 E-waste Management

- Establish collection points for e-waste where individuals/departments can dispose of their unwanted electronic devices.
- Segregate e-waste into categories, such as large appliances, small appliances, IT equipment and consumer electronics, for proper handling and recycling.
- Arrange for safe transportation of e-waste to authorized recycling facilities, following regulations for hazardous materials transport.
- Collaborate with certified e-waste recycling facilities that can safely dismantle and recycle electronic components and materials.
- Ensure the safe handling and disposal of hazardous materials found in e-waste, such as lead, mercury, cadmium, and flame-retardant chemicals.

5.9 Green Practices in Academic and administrative processes

In all academic and administrative processes, eco-friendly practices shall be pursued

- Online payments and fee transactions shall be promoted
- Paperless Office and Communication
- Online communications shall be encouraged at all levels -email. e- notices
- In house learning management system shall be updated periodically to promote blended learning. wherein references, course content, notes, syllabi, question banks, study material are stored and shared on the e-platform.
- Component of Online exams shall be included and onscreen evaluation increased gradually
- E-certifications for National seminars, conferences, cultural activities shall be encouraged
- The college shall reduce use of paper by preferring e magazines, e prospectus e-services and e-circulars
- The use of paper will substantially be reduced through digitization.
- Green greetings to welcome Resource persons

5.10 Environment friendly campus

- Providing eco-friendly atmosphere to all the stakeholders
- Providing good drinking water facility to the students and staff
- Eliminate all non-compostable, single-use disposable plastic items in the campus
- Avoid single-use plastic utensils, plastic straws and stirrers
- Educate staff and students about plastic-free alternatives
- Create awareness and promote proper disposal of wastes, recycle and implement suitable waste management system
- Automobiles not permitted inside the campus and allowed only up to the parking area
- Pedestrian-friendly pathways
- Environmental Air Quality Monitoring Facility
- Observance of Days to protect and Nurture Environment: World Environment Day, Earth Day, World Sparrow Day, World Water Day, World Forest Day, Wild Life Week, World Ozone day, No Plastic Bag Day, National Pollution Week, Energy Conservation Day
- Display Boards to Promote Environmental Sensibility on College Campus
- Dedicated Section for the Environment Consciousness in a creative Wall Magazine
- Landscaping with Trees and Plants

- Awareness events, Rallies, Field visits
- Sale of eco-friendly products
- Inter - and Intra collegiate competitions environmental issues
- Encourage participation in National & International Green challenges

5.11 Quality Audits

The Institution shall make all efforts to conduct quality audits on a regular basis

- Implement ‘Green campus audit’, ‘Environment audit’ and ‘Energy audit’ practice in the College
- Dissemination of eco-friendly culture through seminars / conferences / workshops
- Implement the Green campus motto with the vision of Swachh Bharath Abhiyan and Jal Shakti Abhiyan under Clean India Mission, Plantation event -Haritha Haram and other National and State level schemes/missions.

Place: St. Ann’s College for Women, Mehdipatnam Hyderabad

Date:



Dr. Sr. P. Amrutha
Principal
St. Ann's College For Women
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Mehdipatnam, Hyderabad-28

Signature & Seal
