



**POLICY ON
ENVIRONMENT AND SUSTAINABLE
DEVELOPMENT**



SAROJINI NAIDU GOVERNMENT GIRLS POST GRADUATE (AUTONOMOUS) COLLEGE, SHIVAJI NAGAR BHOPAL



"The Proper use of Science is not to conquer Nature but to
live in it"

Barry Commner

PREAMBLE

An educational Institute decides the future of a country and countries form the world and world's population affects the future of the earth so it is necessary to think about the appropriate conditions for studies and development of personality of the students in the educational institute.

A clean and natural environment along with best reading and learning facilities is essential for the positive and progressive personality development of a student.

Clean and healthy environment enhances the activity of the brain and increases the energy level and energy level develops confidence to do hard work and induce analytical thinking, which motivates the students towards research activities.

Indian's National Environment Policy (NEP) reflects commitment to a clean environment a mandate in articles 48 A and 51 A (g) of Indian Constitution. The key objectives of NEP are, conservation of critical environmental resources, intra-generational and intergenerational equity and integration of environmental concerns in economic and social development, efficiency in Environmental resource use, environmental governance and enhancement of resources for environmental conservation. The NEP recognizes that maintaining a healthy environment is the responsibility of every citizen and thus encourages individual as well as institutional participation for maintaining and enhancing the quality of the environment.

In accordance with India's National Environmental Policy, Sarojini Naidu Government Girls P.G. Autonomous college is taking initiatives to protect and conserve the local and global environment and sustainable development through teaching, research, social work and administrative and support activities.

OBJECTIVE

Our policy statement outlines how the college shall pursue best practices in the development of a clean and healthy environment and encourage the sustainable use of community resources. It sets out the principles, priority areas and procedures for implementation, management and evolution of the environmental plan for the college.

CONTEXT

"Earth provides enough to satisfy Every man's need but not Every man's greed"

- Mahatma Gandhi

Our institution always had initiatives to create new framework of understanding for sustainable development around the multifaceted links between growth and natural resources.

OBJECTIVES OF THE POLICY

❖ Institution has made policies to execute following objectives: -

- To provide safe and healthy environment for staff and students
- To conserve the natural resources and environment of the college campus.
- To promote environmental awareness and activity among the students and staff and Society.
- To promote judicious use of environmental resources.
- To improve the efficient use of resources, like energy, water, land and air.
- To promote the reuse and recycle of resources.
- To minimize the production of waste material.
- To make the campus plastic free.
- To develop the safe and economic disposal of waste material like electronic waste, plastic, wood, paper, iron and organic waste.

❖ Priority areas

- Green and clean campus
- Conservation of water
- Conservation of energy
- Solid waste management
- Control of noise pollution

- Development of green buildings
- Promotion of Eco -friendly activities (Green Practices)
- ECO club
- Environmental audit
- Environmental education training and awareness

GREEN AND CLEAN CAMPUS

"To plant a garden is to believe in tomorrow"

-Audrey Hepburn

To maintain the good oxygen level within the college campus more plantation shall be done. Lawns and Gardens shall be maintained. In the college campus there are five Gardens Sarojini Naidu Garden, Kokila Kanan, Botanical Garden, Dhanvantri Garden and Vivekanand Garden. Inside the boundary wall of the college campus there are many trees like Butea monosperma, Cassia siamea, Peltophorum, Delonix regia, Eucalyptus, Cassia fistula, Saracaashoka, Nyctanthus, Azadirachtaindica, Moringa oleifera, Pinus roxburghii, Casuarina equisetifolia, Caesalpinia pulcherrima, Bauhiniavariegata etc.

In our Institution for the conservation of these trees, a plant professor scheme is running in which each tree is adopted by each professor. Rich plant diversity shall be maintained in the botanical garden along with exotic indoor plants. More than 50 plant species of medicinal value are occurring in our campus. Many hydrophytes, xerophytes and succulents are conserved in our botanical garden along with these there occur bryophytes like riccia, notothylas and mosses and pteridophytes like Marsilea, Equisetum natural Pteris and Nephrolepis, Polypodium and some Gymnosperms like Pinus, Cycas, Zamia, Araucaria and Juniperus etc. This plant diversity shall be conserved. Our institution promotes research and development for the conservation of plant diversity and natural resources.

Neem and Tulsi shall be planted in various parts of the campus because it has antiviral properties and it will be helpful to clean the air.

Many ornamental plants like Mogra, Rose, Jasmine and Madhu Kamini shall be planted, which have a strong and good fragrance. Fragrance of their flowers will clean the air and induce the senses positively.

Activities under **“Swachh Bharat Abhiyan”** shall be conducted regularly as community work by NSS, NCC, Eco club and Social work department of the Institution.

CONSERVATION OF WATER

“Water is the driving force of all nature”

- Leonardo da Vinci

- Ensure a system for integrated management of water resources.
- Rainwater harvesting system is developed in our institution.
- Recycle of grey water released from washrooms and Laboratories.
- Use of drip irrigation in gardens.
- Regular maintenance of water storage tanks.
- For the storage of water groundwater sump shall be constructed.
- To check the wastage of water, a self-closing tap shall be used.
- Develop awareness about water budgeting for rational allocation for domestic, agricultural, and Industrial and other uses for rural and urban populations.
- Measures against inflow of chemical hazardous water from Chemistry Labs.

SOLID WASTE MANAGEMENT

To maintain the cleanliness of the institution systematically organized the disposal of waste.

- For the management of organic waste vermin-composting system is developed within the college campus.
- Inorganic waste like Iron, Tin and Glass shall be disposed off separately in different containers and then will be given to the related agencies which will destroy and reuse them.
- Promoting reduce reuse and recycle of paper.
- Electronic waste will be disposed of to those companies which carefully degrade the waste and recycle it.
- Minimize the use of plastic material.

- Institution discourages the use of Polythene.
- Institution creates awareness in students to stop extravagant use of material wastage of food and clothes, useless decorative articles.

CONSERVATION OF ENERGY

Our Institution periodically reviews its energy sources, energy forms and Energy Efficiency. It will carry out a continuous program of energy conservation by monitoring. It had installed solar panels to minimize the utilization of electrical energy. Electrical and electronic instruments shall be maintained and repaired for the efficient and optimum use of energy.

NOISE POLLUTION

- Staff and students are trained to maintain the silence within the campus
- More trees shall be planted inside the boundary of the campus to check the loud noise of road traffic.
- Two wheelers and cars are kept away from the building on their proper place
- Vehicle shades are made within the college campus.
- Blowing the horn within the campus shall be prohibited.

DEVELOPMENT OF GREEN BUILDINGS

- The institution shall consider environmental implications in the development constructions and operation of campus infrastructure grounds and buildings.
- The institution shall develop and maintain its building to conserve resources and minimize its negative impact on the environment.
- Institution shall prefer the use of building materials from sustainable sources, methods of construction which make best use of resources and designs which result in low maintenance and high energy efficiency
- Green building concept for new constructions shall be followed.
- The institution shall work to provide landscaping and ground maintenance practices that use vegetation compatible with the environment.

PROMOTION OF ECO FRIENDLY ACTIVITIES (Green Practices)

Institution conducts the following green activities:-

- Organic waste of gardens canteen and mess are utilized in preparation of compost.
- A certificate course on vermin-composting is running by department of Zoology.
- Electronic Waste Management Committee is organized by the Institution.
- Wet/ dry / organic and inorganic wastes are disposed off in different dustbins.
- Staff and students are encouraged to walk used bicycle public transport for nearest places.
- Institution encourages the students and staff for pooling of vehicles for long distance travel.
- For the conservation of plant diversity students are learning nursery management practices through job-oriented project work.
- Use of LED bulbs within the campus and building.
- Institution encourages conservation and propagation of medicinal plants.
- Green Audit and energy audit is conducted.
- Special days related to environment are celebrated to aware the students from environmental conditions.

ECO CLUB

An Eco club is organized by the institution to conduct the environmental awareness programs through students for the society. Environmental awareness programmes are conducted by Eco club through various activities like plantation campaigning for conservation of environment, quiz, poster painting, slogan writing, nukkad natak and rallies.

ENVIRONMENTAL AUDIT

Institution is committed to the environmental audit needs and shall organize training which will be beneficial to the students and staff. The institution has conducted a green audit. It provides a better understanding of the impact of green practices on campus. Energy audit has been conducted which will be helpful to think about reduce and reuse of resources.

ENVIRONMENTAL EDUCATION TRAINING AND AWARENESS

- The institution shall organize training programs, workshops and seminars for building up professional competence and for creation of environmental awareness in students and staff.
- Energy clubs shall be organized.
- Survey and the research work for the environmental development shall be promoted.
- National Environmental Policy should be included in the curriculum of all subjects.
- Information education and communication(IEC) Material regarding environmental safety shall be prepared and placed at various places of the institution to create awareness among the students and staff members.

Dr. Shobha Shrivastava, Member

Dr. Neerja Shrivastava, Member

Dr. Rajni Shrivastava, Member

Dr. Surinder Batra, Member

Dr. Alka Varma, Member

Dr. Kusum Mathur, Member

Dr. Seema Pathak, Member (H.Sc.)

Dr. Mukesh Dixit, Member

Dr. Sanjay Sahay, Member

Dr. Kumud Shrivastava, Member

Dr. Aparna Lashkar, Member

Dr. Pratishtha Khare, Member

Dr. Deepti Sankat, Member

**Convener
ECO Club &
Environment Policy Committee**