



Gokhale Education Society's
H.P.T. Arts and R.Y.K. Science College, Nashik-05

Prin. T. A. Kulkarni, Vidya Nagar, Nashik- 422005

"Higher Education for All"

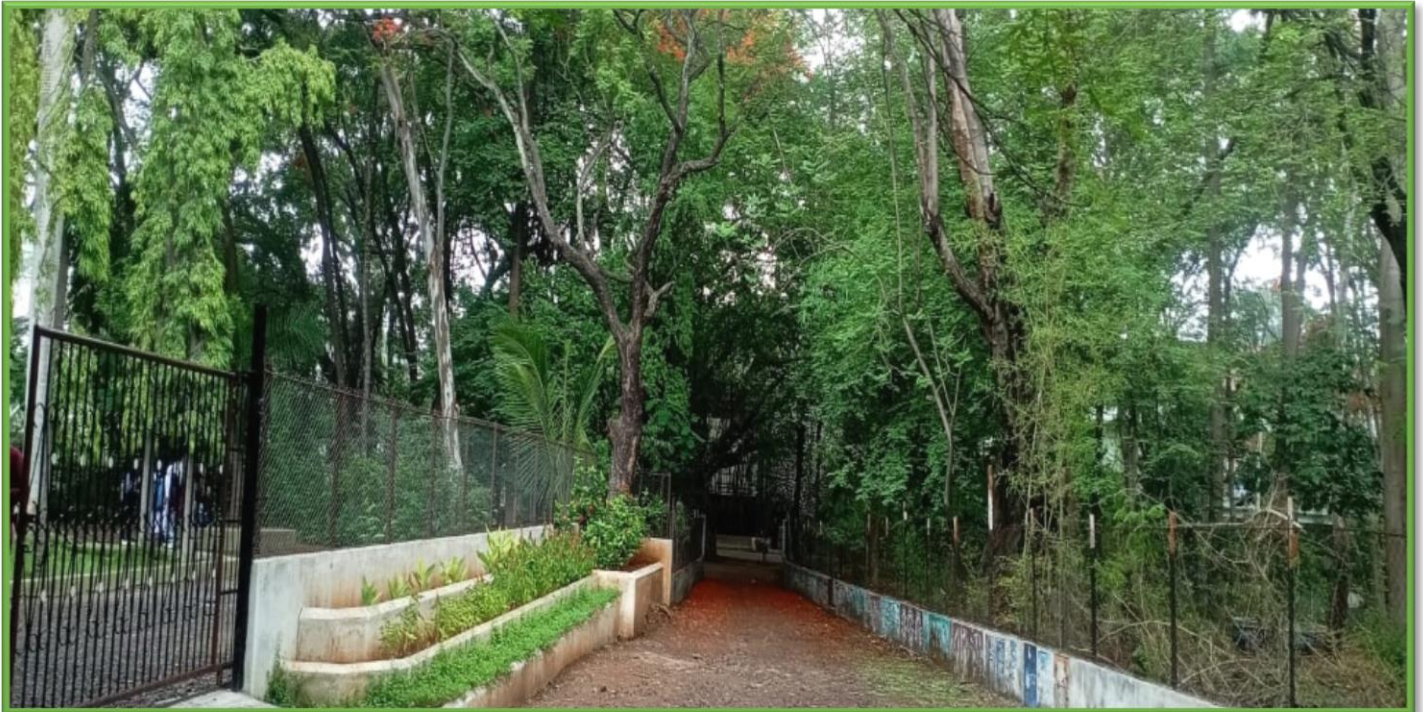
prinhptryknsk@rediffmail.com ☎ 0253-2572153 www.hptrykcollege.com

Permanently Affiliated to Savitribai Phule Pune University (ID No.: PU/NS/AS/001(1924)

NAAC Re-Accredited: 'A' Grade, ISO 9001:2015 Certified College, Best College award by SPPU 2019-20



Green Campus, Energy and Environment



POLICY

Introduction:

At HPT Arts & RYK Science College, we recognize the importance of creating a sustainable and environmentally conscious campus that not only minimizes our ecological footprint but also fosters a culture of environmental stewardship among our students, faculty, and staff. As an institution of higher learning, we have a responsibility to promote sustainability and environmental awareness, and to contribute to the well-being of our community and the planet.

H.P.T. Arts & R.Y.K. Science College, Nashik is situated in the heart of city, spread over 7 acres, having 110 different species of trees, along with seasonal blossoms. The College premise proudly decked with 20 huge Banyan trees, standing for more than 100 years now. The rest of the campus can be categorized as play grounds, lawns and gardens. A huge area is left in its natural form and acts as a natural habitat for biodiversity and a large variety of species of grasses, herbs, shrubs and trees.

Our Green Campus, Energy and Environment Policy is a comprehensive framework that outlines our commitment to reducing our environmental impact, conserving natural resources, and promoting sustainable practices throughout our campus operations. This policy is aligned with our institutional values of social responsibility, community engagement, and environmental sustainability, and is designed to support our mission of providing a high-quality education that prepares our students to be responsible citizens and leaders in their communities.

Through this policy, we aim to create a green campus that is not only environmentally friendly but also provides a healthy and sustainable learning environment for our students, faculty, and staff. We will strive to reduce our energy consumption, minimize waste, promote sustainable transportation, and conserve water and other natural resources. We will also engage our campus community in environmental education and awareness initiatives, and encourage participation in sustainability efforts through volunteer opportunities, research projects, and community outreach programs.

By adopting this policy, we demonstrate our commitment to environmental sustainability and our responsibility to future generations. We believe that by working together, we can create a more sustainable and environmentally conscious campus that benefits not only our institution but also the wider community and the environment.

Scope of the Policy:

The Green Campus, Energy and Environment Policy will develop exciting new co-curricular and extracurricular practices that encourage students to take the lead in creating positive change. These initiatives call for a thorough review of all infrastructural, administrative functions from the standpoints of energy efficiency, sustainability and the environment.

The thrust areas of this policy are:

- **Clean Campus Initiatives**
 1. Regular Cleaning
 2. Sanitization

- **Landscaping Initiatives**
 1. Empty Spaces
 2. Gardens
 3. Lawns
 4. Barrier free internal roads
 5. Maximum use of Sunlight

- **Clean Air Initiatives**
 1. Smoking Free Campus
 2. Plantation of specific trees

- **Infrastructural Additions**
 1. Solar Power Plant
 2. Installation of Energy Efficiency Equipment
 3. Water Conservation through Rainwater Harvesting System

- **Waste Management processes**
 1. Solid Waste Management
 2. Liquid Waste Management
 3. E-Waste Management

- **Awareness Initiatives**
- **Environment-centric Student Societies and Department Activities**
- **Green Audit**
- **Energy Audit**
- **Plastic-Free Campus**

Objectives:

1. To preserve and protect the ecological systems and natural resources within the campus, ensuring a sustainable and biodiverse environment for future generations.
2. To utilize environmental resources in a judicious and responsible manner, balancing the needs of present and future generations while minimizing our ecological footprint.
3. To incorporate environmental considerations into our policies, plans, and programs, ensuring that social development and outreach activities are aligned with sustainable practices and environmental stewardship.
4. To collaborate with stakeholders, including the local community, to promote environmental awareness, adopt best practices, and mitigate adverse environmental impacts.
5. To make sustained contribution in climate protection and adaptation, conserving global resources and reducing our carbon footprint through sustainable practices and innovative solutions.
6. To involve scholars, researchers into academic pursuit of environmental issues in order to find long term solutions
7. To optimize the efficient use of all resources, including energy and water, minimizing consumption and waste generation while promoting recycling and waste recovery wherever possible.
8. To eliminate single-use plastics and create a plastic-free campus, promoting a culture of sustainability and environmental responsibility among our students, faculty, and staff.

9. To endeavour for paperless administration by following the policy for E-governance
10. To conduct environmental and energy audits periodically.

Policy:

Clean Campus Initiatives

- HPT Arts & RYK Science College is committed to actively coordinate cleanliness activities in the college and beyond the campus in accordance with the vision of Swachh Bharat Abhiyan. It commits to continue with this Programme. The broad vision is as follows
- Generating mass awareness on cleanliness and hygiene amongst students and staff members by holding regular cleanliness drives. The idea is to motivate them to contribute in a proactive manner.
- Activities under 'Swachh Bharat Abhiyan' will be a key component of all the community work being done by NSS, NCC and Green Society volunteers of the college.
- Staff Members will be encouraged to participate in the cleanliness drive in the college campus.
- Events such as poster and slogan competitions, essay writing, spoken word poetry, speeches, skits on 'Swachh Bharat' will be organised.
- Rallies on themes connected with 'Swachh Bharat Abhiyan' in and around the college campus will be conducted to create mass awareness.
- Remove all kinds of waste material like broken furniture, unusable equipment etc.
- Administer of an oath by students and staff members to maintain cleanliness of the college campus and its surrounding areas on an annual basis.

- Conduct workshops on the 3Rs: Reduce, reusing and recycling of waste.
- Commit to manage waste and maintain clean campus especially during college events.

Landscaping Initiatives

The campus landscape, like its buildings, can be seen as the physical embodiment of a college's values. It is a vital part of the life of a campus, providing space for study, play, outdoor events, relaxation and aesthetic appreciation. Green campus landscapes also manage runoff, help recharge groundwater, and clean and cool the air on campus. The landscape serves as a visual representation of the campus community's commitment to sustainability. As campus landscapes are so visible and accessible, landscaping initiatives are a great way to build awareness around the environment.

There are more than 250 trees and more than 500 shrubs on campus along with grass cover. The landscape of trees and plants provide the 3000+ students and staff with clean and cool air and is a soothing environment.

The diverse green cover of campus is also home to a number of animals and rare birds across at least 30 species of animal and 110 of trees, creating a campus rich in biodiversity. The college commits to enriching this healthy habitat and maintaining the symbiotic relation of the institution with nature by

- Organizing annual tree plantation drives
- Encouraging student societies to hold tree planting events

Clean Air Initiatives

We encourage our students and staff to use public transportation. We encourage carpooling to college, an activity that will control air pollution and strengthen social

interaction. The entry of automobiles inside the campus is restricted to discourage the use of private vehicles.

Our campus is also located at the Center of Nashik City. For this reason, we feel responsible to maintain our green cover. The abundant natural landscape not only cleans the air on campus but also becomes an extension of the green lungs of the city.

Smoking Free Campus

In compliance with the framework provided by the National Tobacco Control Programme (NTCP) 2007-2008, the college prohibits smoking and the use of other tobacco products. Govt. of Maharashtra, Savitribai Phule Pune University and Nashik Police are promoting a tobacco free environment. As a step in this direction, smoking and use of tobacco in and around the campus is strictly prohibited. Students are counselled on not using tobacco in any form through induction programmes and informal interactions.

Infrastructural Modifications:

- **Renewable Sources of Energy**

HPT Arts & RYK Science College is dedicated to minimize and sustainably manage its use of electricity. The college believes in reducing the consumption of electricity produced by non-renewable resources by switching to clean energy sources like solar energy for purposes like lighting the campus.

- **Energy Saving and Energy Efficient Equipment**

We commit to install environment-friendly electrical appliances that save energy and reduce wasteful inefficiencies. The college believes in using cleaner energy such as LED lighting.

- **Water Conservation through Rainwater Harvesting System**

As an institution located in central part of Nashik, the area that witnesses a rapid fall of ground water levels, our College has committed itself to this effort to

replenish the groundwater table by practicing rainwater harvesting. This practice helps in the replenishment and recharge of the groundwater.

Waste Management Processes

The College strives to have a minimal impact on the environment and is dedicated to reduce and manage the waste generated by the college campus. The following specific procedures will be undertaken to ensure our contribution in protecting the environment.

1) Solid Waste Management

With its aim to provide holistic education that also has a positive impact on the environment, the college will adopt practices that will mitigate the generation, and manage solid waste through the following methods:

- Systematically engage with the 3Rs friendliness (Reduce, Reuse and Recycle) of environment
 - Collect paper waste produced on campus and collaborate with scrap dealers for recycling.
 - Reduce solid waste by developing a technology-centric teaching and administrative model.
 - Reduce use of paper by supporting digitization of attendance and internal assessment records.
 - Reduce requirement of printed books by updating the e-books and e-journals collection of the college library.
 - Encourage the students and teachers to use emails for assignment submissions.
- Take initiatives to spread awareness amongst students about
- Food wastage and ways of minimizing it
 - Minimizing the use of packaged food
 - The habit of reusing and recycling non-biodegradable products
 - Organizing workshops management for students on solid waste

2) Liquid Waste Management

- Maintain leak proof water fixtures.
- Segregate the chemical waste from regular waste and prevent it from releasing into drainage pipes directly
- Minimize the use of water by constructing more Indian style toilets instead of western style toilets.
- Continued employment of a caretaker to take immediate steps to stop any water leakage through taps, pipes, tanks, toilet flush etc.

3) E-Waste Management

College ensures that its usage of technology and generation of e-waste does not impact the environment. For this purpose, the college plans to strive towards:

- More provisions for the disposal of the institutional e-waste.
- Collaboration with e-waste recycling companies to get electronic waste recycled.
- Awareness amongst students about reduction of e-waste and environment friendly disposal practices for e-waste.
- Encouraging department and society level activities pertaining to ewaste management.

Awareness Initiatives

Outreach and education are of utmost importance so that all members of the campus community may value the objectives of the policy and aid in its implementation. This is why the College supports and encourages awareness campaigns, seminars, workshops, conferences and other interactive sessions to facilitate effective implementation of the Green Campus, Energy and Environment policies.

Environment-centric Student Societies and Department Activities

The College encourages all the departments and specific student societies like Green society, NSS, NCC and others to organize events, competitions and training

sessions that will bring about positive environmental changes at the grassroots level. The college supports departments and student societies in moulding the students into active agents of environment protection and conservation.

Tree Plantation

NSS, NCC, Earn & Learn Scheme along with other departments in the College will be encouraged to organise tree plantation drives in and outside campus, involving students, alumni and society. The College will sincere efforts to boost this activity so that it can turn into a movement.

Green Audits

The college aims to regularly conduct a Green Audit of our college campus to assess our strengths and weaknesses to further our goals of long-term sustainability. A green audit is a useful tool to determine how and where most energy or water or resources are being used. The college can then consider how to implement changes and make savings. It can determine the type and volume of waste. Recycling projects or waste minimization plans can be adopted. It will create health consciousness and promote environmental values and ethics. It provides a better understanding of the impact of ecofriendly practices on campus. Green auditing will promote financial savings through reduction of resource use. It is imperative that the college evaluate its own contributions toward a sustainable future.

Energy Audits

An Energy Audit to be conducted as and when required to further reduce its carbon footprint. The importance of reducing energy consumption cannot be overstated. The energy audit, with its specialized tools will identify wastage of energy. Such an inspection often reveals several different flaws which cause a loss of significant amounts of energy which the college will not be able to detect. These flaws often have easy and affordable solutions and provide significant savings.

Lab Audits

The College is committed towards the safety of students as well as environmental concerns while making use of various labs, having hazardous chemicals and radioactive fields. For ensuring safety and maintenance of standards, the College conducts Lab Audits at periodic levels. Under ISO audits also, laboratory audits are conducted. Non-teaching staff is trained to handle laboratory equipments along with fire extinguishers.

Plastic-Free Campus

HPT-RYK has been observing most of its duties in terms of solid waste management since its inception. In view of the Government of India's resolution to ban all single use plastics due to the hazardous impact of plastic use and pollution, the college administration strictly bans the use of single use plastics in its premise to make it a 'Plastic Free Campus'. The College will also take a lead in creating awareness in society through activities like rallies, poster competitions and skits.

This policy is open for review as per the needs and requirements of the College. The present draft of the policy is adapted and finalized in June 2024.



Dr. P. U. Ratnaparkhi
(Coordinator, IQAC)



Dr. V. N. Suryawanshi
(Principal)

