



JHARGRAM RAJ COLLEGE

Jhargram College Rd, Jhargram, West Bengal 721507



The Green Campus and Environmental Policy

What is a Green Campus

1. System-Wide Culture of Environmental Sustainability

- Carries out functions according to a culture of environmental sustainability.
- Balance function and design with existing and foreseen resources.

2. Environmentally Responsible Practice and Education

- Integrates environmentally responsible practices with educational programs.
- Sets an example through the implementation of these tenets.

3. Laboratory of Self Scrutiny, Experimentation, and Application

- Acts as a space for continuous self-evaluation and experimentation.
- Applies innovative environmental solutions.

4. Model Environmental Community

- Serves as an exemplary environmental community.
- Interlinks operational functions, business practices, academic programs, and people.
- Provides educational and practical value to the institution, region, and world.

Purpose of the Policy:

An environmental policy is important because it ensures that organizations consider the environment when making decisions. It guides how to protect the environment and be sustainable. This policy should start from the leaders and be followed by everyone in the organization.

A green campus is a way of managing a college or university that focuses on being environmentally friendly. It includes things like recycling, planting trees, and encouraging students and staff to be eco-friendly. The goal is to make the campus a nicer place to live while also helping the environment. A green campus can change how we think about the environment and find new ways to solve environmental problems. To become a green campus, everyone needs to work together and make progress in areas like energy efficiency and sustainability.

Creating a Green Campus and Environment Policy involves coming up with new activities for students and staff to get involved in. It also means looking at how the college is run to make sure it's not harming the environment.

Scope of the Policy

This Jhargram Raj College (JRC) policy aims to address key areas for environmental improvement within our campus to practice and promote the 4 R principles of Reduction, Reuse, Recycle and Recover.

- Clean Campus Initiatives
- Landscaping Initiatives

- Clean Air Initiatives
- Infrastructure:
 - ✓ Solar Power Plant
 - ✓ Energy Efficiency Equipment Installation
 - ✓ Green Procurement policy
 - ✓ Ground Water Recharging System for Water Conservation
- Waste Management Processes:
 - ✓ Solid Waste Management
 - ✓ Liquid Waste Management
 - ✓ E-Waste Management
 - ✓ Waste Recycling
- Awareness Initiatives
- Plastic Free Campus
- Biodiversity Conservation Efforts
- Green Audit
- Energy Audit

The objectives of the Policy

- **Protect and Conserve Ecological Systems:** Our primary aim is to safeguard and preserve the ecological systems and resources within our campus, ensuring their longevity and vitality.
- **Judicious Use of Environmental Resources:** We are committed to utilizing environmental resources wisely, meeting the needs of both present and future generations while maintaining sustainability.
- **Integration of Environmental Concerns:** Environmental considerations are integrated into our policies, plans, and outreach programs for social development, ensuring a holistic approach to sustainability.
- **Contribution to Climate Protection:** We continuously strive to enhance our efforts towards climate protection and adaptation, recognizing our role in conserving global resources and mitigating climate change.
- **Efficient Resource Management:** Improving the efficient use of all resources, including energy and water, is a key priority. We aim to reduce consumption and waste production while promoting recycling and recovery initiatives.

- **Plastic-Free Campus:** As part of our commitment to environmental sustainability, we endeavour to make our campus entirely free from plastic, minimizing its harmful impact on the environment.
- **Biodiversity Conservation:** Our college is dedicated to preserving and enhancing biodiversity within our campus. Through habitat restoration, wildlife monitoring, and community engagement, we aim to protect the diverse array of plant and animal species that call our campus home.
- **Environmental and Energy Audits:** Regular environmental and energy audits are conducted to assess our environmental performance and identify areas for improvement, ensuring accountability and transparency.

The college's environmental policy will be pursued through the following activities:

Clean Campus Initiatives

1. Organize regular cleanliness drives to raise awareness among students and staff about cleanliness and hygiene, encouraging proactive participation.
2. Integrate activities related to the environment into community initiatives led by NSS.
3. Encourage staff members to join in campus cleanliness efforts.
4. Remove all waste materials including broken furniture and unusable equipment.
5. Annually administer a pledge to students and staff members to uphold cleanliness in the college and its surroundings.
6. Conduct awareness programme to educate on Reduce, Reuse, and Recycle principles.
7. Ensure proper waste management and cleanliness maintenance, especially during college events.
8. Implement a system for segregating waste into different categories (e.g., recyclables, non-recyclables) for easier disposal.
9. Organize campus-wide clean-up days where students, faculty, and staff come together to clean designated areas.
10. Encourage the use of digital platforms for communication and documentation to reduce paper waste.
11. Integrate environmental cleanliness and hygiene education into the curriculum across various disciplines.
12. Partner with local businesses or organizations for sponsorship of clean-up events or provision of waste management resources.
13. Set up water refill stations across the campus to promote the use of reusable water bottles and reduce plastic waste.
14. Conduct regular inspections of campus facilities and grounds to identify areas needing attention or improvement.
15. Develop and distribute educational materials (e.g., brochures, posters) on proper waste disposal and environmental cleanliness.
16. Establish a reward system for departments or student organizations that maintain the cleanest areas of the campus.

Landscaping Initiatives

1. The campus landscape embodies the college's values, offering spaces for study, recreation, and sustainability.
2. Green spaces manage runoff, recharge groundwater, and purify the air.
3. Landscaping initiatives raise awareness about environmental responsibility.
4. The college campus comprises huge vacant area that houses the Sal plantation, various trees and diverse herbaceous vegetation
5. JRC's diverse greenery supports various species of animals, especially butterflies, birds and snakes, fostering biodiversity.
6. The college enhances this habitat through annual tree plantation drives and student-led tree-planting events.

Clean Air Initiatives

1. Maintain Green Cover for CO2 Sequestration:

- Ensure sufficient greenery across the campus to enhance CO2 absorption.

2. Utilize Air Quality Index (AQI) data display for CO2 Sequestration Improvement:

- Utilize the Air Quality Index (AQI) data display on campus, administered by the State Pollution Control Board, to enhance CO2 absorption efforts.

3. Implement Monthly "No Vehicle Day":

- Initiate a monthly "No Vehicle Day" to reduce emissions and encourage alternative modes of transportation.

4. Promoting Clean Air:

- Encourage students and employees to prioritize public transportation.
- Restrict automobile access on campus to discourage personal vehicle usage and minimize emissions.
- The college enforces a restricted access policy for automobiles, prohibiting their entry beyond designated points within the campus premises.

5. Smoking-Free Campus:

- Enforce a smoking ban and prohibit the use of tobacco products in accordance with the guidelines outlined by the National Tobacco Control Programme (NTCP) 2007-2008.

6. Transportation Guidelines:

- Encourage faculty, staff, and students to utilize eco-friendly modes of transportation such as walking, cycling, or public transportation.
- Discourage the use of single occupancy private vehicles for commuting, inter-campus travel, and outdoor activities to reduce the environmental impact of traffic.

Infrastructure:

1. Renewable Energy Implementation:

- JRC is committed to minimizing its reliance on non-renewable electricity sources and promoting sustainable energy management practices. This involves transitioning to clean energy sources like solar power to illuminate the campus and reduce carbon emissions.

2. Energy Conservation Measures:

- We pledge to install energy-efficient electrical equipment that not only minimizes energy consumption but also mitigates wasteful inefficiencies. This includes the adoption of environmentally friendly technologies such as LED lighting systems, which contribute to reducing our carbon footprint and enhancing energy efficiency.

3. Green Procurement Policies:

- Implement green procurement policies to prioritize the purchase of energy-efficient appliances and environmentally friendly products. Partner with suppliers who offer sustainable solutions and support the college's commitment to reducing its carbon footprint.

4. Groundwater Recharge Systems:

- Implement groundwater recharge systems to enhance water conservation efforts on campus. These systems utilize rainwater harvesting techniques, permeable surfaces, and soak pit to replenish groundwater reserves and reduce reliance on municipal water sources.

Solid Waste Management:

1. Engagement with the 3Rs:

- Systematically apply the principles of Reduce, Reuse, and Recycle to mitigate the generation and manage solid waste.

2. Paper Waste Collection and Recycling:

- Collect paper waste on campus and collaborate with scrap dealers for recycling to minimize landfill burden.
- Keep a stack of paper that has been printed on one side and use it for day-to-day rough paperwork

3. Technology-Centric Model for Waste Reduction:

- Develop a technology-centric teaching and administrative model to reduce solid waste generation.
4. **Promotion of Digitization:**
 - Support digitization of office work and internal assessment records to reduce paper usage.
 - Use more readout material in soft form. Reduce the hard readout material. Use more of e-mail for officially communicating the information needed, online reading etc
 5. **Awareness Initiatives for Students:**
 - Raise awareness among students about:
 - Minimizing food wastage.
 - Reducing the use of packaged food.
 - Reusing and recycling non-biodegradable products.

Liquid Waste Management:

1. **Maintenance of Water Fixtures:**
 - Ensure leak-proof water fixtures to minimize liquid waste.
2. **Preference for Indian Style Toilets:**
 - Minimize water usage by constructing more Indian-style toilets instead of western style toilets.
3. **Caretaker's Role in Leak Prevention:**
 - Employ a caretaker to promptly address any water leakage issues from taps, pipes, tanks, or toilet flush systems.
4. **Reuse of Reverse Osmosis Wastewater:**
 - Reuse wastewater generated by the Reverse Osmosis (RO) system in washrooms to conserve water resources.

E-Waste Management:

1. **Institutional E-Waste Disposal:**
 - Provide more provisions for the disposal of institutional e-waste to ensure proper management.
 - Purchasing of devices with increased life time is encouraged.
2. **Student Awareness Programs:**
 - Raise awareness among students about the reduction of e-waste and environmentally friendly disposal practices through educational initiatives.

Waste Recycling:

1. **Collection of Organic Waste:**
 - Use designated bins for food waste and rotten vegetables in dining areas and kitchens of college hostel.
 - Implement a regular collection schedule.

2. Processing of Organic Waste:

- Processing the waste materials into manure using the vermicompost pit of the college and monitor the composting process regularly.

3. Utilization of Compost Manure:

- Use compost manure for campus gardens and landscaping.
- Plan and execute greening initiatives using the compost.

Awareness Initiatives:

- The initiative aims to enhance environmental literacy among students and social groups by providing comprehensive knowledge of pollution and environmental degradation. It emphasizes cultivating a deep-rooted sensitivity to environmental issues, instilling values essential for environmental protection. Through active participation in environmental activities, students are provided with hands-on opportunities to engage with and contribute to environmental conservation efforts.
- The introduction of Environmental Science courses across all disciplines by the affiliating University, VU, further solidifies this commitment. Consequently, participants have been significantly sensitized to conservation concerns, fostering a culture of environmental stewardship and inspiring advocacy for the preservation of our natural resources.

Plastic Free Campus:

Plastic pollution poses a grave threat to ecosystems worldwide, stemming from excessive production, inadequate recycling, and improper disposal. Recognizing the urgency of the issue, the government has initiated a national campaign to ban single-use plastics. Educational institutions are urged to play a pivotal role in this endeavour by actively promoting awareness and adopting plastic-free practices. Every citizen must embrace the responsibility of combating plastic pollution, ensuring a cleaner and greener environment for future generations. Following MHRD guidelines, efforts are underway to achieve plastic-free campuses across the nation.

- In alignment with the Government of India's directive to prohibit all single-use plastics due to their detrimental effects on the environment, the college administration enforces a strict ban on such plastics within its premises, aiming to transform it into a 'Plastic-Free Campus'.
- To inform about alternative solutions like cloth bags etc., to plastic bottles and other goods on campuses.

Biodiversity Conservation Efforts

Our college campus is home to a thriving ecosystem teeming with a diverse array of plants, insects, birds, and reptiles, including butterflies and snakes. Recognizing the importance of preserving this rich biodiversity, our college is dedicated to efforts aimed

at conservation and fostering a harmonious coexistence between nature and our community. Through these initiatives, we strive to create a sustainable environment where all species can thrive.

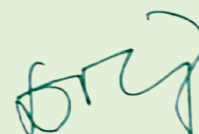
- **Wildlife-Friendly Campus Design:** Incorporating wildlife-friendly features into campus design and landscaping. This includes maintaining diverse vegetation types, providing wildlife corridors, and minimizing disturbance to organisms.
- **Education and Awareness:** Raising awareness among students, faculty, and staff about the importance of biodiversity conservation. This includes organizing seminars, and campaigns to promote appreciation for local wildlife and ecosystems

Green Audit:

- Our college is committed to conducting regular Green Audits of our campus to assess our sustainability efforts. A Green Audit serves as a valuable tool to identify our strengths and weaknesses in terms of long-term sustainability goals. By analyzing our energy, water, and resource usage, we can pinpoint areas for improvement and implement changes to promote efficiency and savings. This includes initiatives like recycling projects and waste minimization plans, fostering health consciousness and environmental ethics among our community. Additionally, Green Auditing provides a better understanding of the impact of eco-friendly practices on campus, promoting both financial savings and a sustainable future.

Energy Audit

- An Energy Audit is conducted as needed to further reduce our carbon footprint. Recognizing the importance of reducing energy consumption, this specialized audit helps identify energy wastage and reveals flaws that may otherwise go unnoticed. By addressing these issues, we can achieve significant energy savings through cost-effective solutions, contributing to both environmental sustainability and operational efficiency.



Principal, Jhargram Raj College