



रामलाल आनंद कॉलेज

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Version-I: Policy document of Clean and Green Campus of

Ram Lal Anand College, University of Delhi

Ram Lal Anand College (RLAC) campus spread over 10 acres caters to over 2500 students, 90 faculty and more than 100 staff members at various levels. The College campus has large lush green areas, which visitors find attractive and is appreciated by them. The college has continued to invest in sustainable initiatives at the core of all activities, and endeavours to achieve a human – environment co-existence model that would promote society's welfare through environmental protection. The policy for a Clean and Green Campus visualizes setting a national and international benchmark for a socially and environmentally sustainable campus, through action plans involving environmental awareness, education, management and conservation from where, "liberation through knowledge" (*jna-nadeva tu kaivalyam*) is realized.

The college has identified with the 17 UN Sustainable Development Goals (SDGs), representing globally perspective and is continuously striving to achieve them. We strongly believe that our concerted long term efforts would drive its significance at the local and regional levels. The goals are directed to reduce carbon footprints, energy consumption, waste management, and transforming the university landscape into a greener campus. We realize that as the world goes higher up the ladder of evolution and technological innovation, its development spree starts to consume the resources endowed upon by nature. The college has devoted its commitment to a sustainable future that is equal and resource-abundant for everyone. Being endowed with the power, to create a positive impact in society, we believe the initiatives that we undertake, would also enlighten our students, who would carry forward the practices of sustainability from their individual capacity and become ambassadors for change. To fulfil this vision, the college is obliged to institute a Clean and Green Policy as below

Objectives

- To impart understanding about the importance of environment in students and all stakeholders and their accountability to take environment friendly initiatives to save environment
- To work with all stakeholders and the local community to raise awareness and seek the adoption of environmental good practice and the reduction of any adverse effects on the environment.
- To facilitate students, take small steps in protecting and conserving the environment and sustain natural resources within the campus.

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- To ensure judicious use of environmental resources to meet the needs and aspirations of the present and future generations.
- To integrate environmental concerns in to policies, plans and programmes for social development and outreach activities.
- To continuously improve our contribution to climate protection and adaptation to climate change and to the conservation of global resources.
- To audit and continuously improve the efficient use of all resources, including energy and water, and to reduce consumption and the amount of waste produced, recovering and recycling waste where possible.

Scope of the Policy

The Clean and Green Campus, Policies will incorporate co-curricular and extra-curricular practices that will encourage students to take the lead in creating positive change. These initiatives call for a thorough review of all infrastructural, administrative functions from the stand points of energy efficiency, sustainability and the environment. The focus areas will be as below:

- 1. Clean Campus Initiatives:** RLAC will actively coordinate cleanliness activities in the college and beyond the campus in accordance in line with *Swachh Bharat Abhiyan*. The college will be generating mass awareness on cleanliness and hygiene amongst students and staff members by holding regular scheduled cleanliness drives. The idea is to motivate them to contribute in a proactive manner. Such activities will be core activities under NSS, NCC and other societies. Staff Members will also be encouraged to participate in such cleanliness drives. Events such as pledges, poster, slogans, essay writing, spoken word poetry, speeches, Rallies, skits on '*Swachh Bharat*' will be organized. The college will ensure regular removal of all kinds of waste material like broken furniture, unusable/obsolete equipment etc. College will conduct workshops on the **3Rs: Reduce, reusing and recycling** of waste and commit to manage waste and maintain clean campus especially during college events. Students will be taken to Biodiversity Parks including Yamuna Biodiversity Park, Aravali Biodiversity Park and Neel Hauz Biodiversity Park, Delhi to sensitize the students towards biodiversity and for showing ecological restoration of degraded soils.
- 2. Waste Management processes:** RLAC 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 RLAC's

contribution in protecting the environment. For **Solid Waste Management**, segregation into biodegradable and non-degradable and their proper disposal in line with *Swachh Bharat* initiative will be practiced. All over the campus blue and green dustbins are placed. Use of sanitary disposal bin in Girls Common Room is one of the best practices adopted by the RLAC towards eco-friendly disposal mechanisms. The college will adopt practices that will mitigate the generation, and manage solid waste through the following methods

- i. Systematic engagement with the 3Rs of environment friendliness (Reduce, Reuse and Recycle).
- ii. Collect paper waste produced on campus and collaborate with scrap dealers for recycling.
- iii. Reduce solid waste by developing a technology-centric teaching and administrative model.
- iv. Take initiatives to spread awareness amongst students about food wastage and ways of minimizing it and minimizing the use of packaged food
- v. Organizing workshops for students on solid waste management.

For E -Waste Management the RLAC is grappling with ways to handle the issue of electronic waste (e-waste) efficiently and cost-effectively, on campus in environment friendly manner. For this purpose, the college plans to strive towards:

- i. Awareness amongst students about reduction of e-waste and environment friendly disposal practices for e-waste through department and society level activities pertaining to e-waste management
- ii. Collaboration with e-waste recycling vendors/companies to get electronic waste recycled.

Liquid waste Management: Water is the most important element for the preservation of life. Water is a finite commodity which, if not managed properly, will result in shortages soon. Water conservation can go a long way to help alleviate these impending shortages. For this purpose, the college will ensure to use the available water judiciously through the following

- i. Installation of Liquid waste treatment Plant with an estimated cost of 25 lacs
- ii. Maintain leak proof water fixtures.
- iii. Minimize the use of water by constructing more Indian style toilets instead of western style toilets.
- iv. Continued employment of a caretaker to take immediate steps to stop any water leakage through taps, pipes, tanks, and toilet flush etc.
- v. Prevention of release and mixing of oil from the college canteen liquid waste in the municipal drainage system by use of Grease trap mechanism to keep Biochemical Oxygen Demand reduced in the effluent wastewater.
- vi. Recycle and reuse of wastewater generated by the Reverse Osmosis (RO) system in irrigation/horticulture/washrooms.

3. **Rainwater water harvesting:** Rainwater recharge is gaining popularity as a sustainable water saving system in urban as well as rural areas. The college has installed rainwater recharge mechanism wherein the rainwater is accumulated from all the catchment areas and deposited for reuse. The water collected and directed to a deep pit of bore-well for later use. Even the ground water is directed towards the plants.
4. **Paperless Operating Procedure:** RLAC is striving towards a paperless office, a work environment in which the use of paper is eliminated or greatly reduced. This is done by converting documents and other papers into digital form, facilitate E-communication and use of public address systems reduces usage of paper in notices and circulars. In addition to going more paperless in the classrooms, wherein, notes, syllabus question banks, study material, assignments are stored and shared on the e-platforms, avoiding massive usage of paper. Reducing use of paper by supporting digitization of attendance and internal assessment records will be practiced. Also, attempt will be made to reduce requirement of printed books by updating the e-books and e-journals collection of the college library.
5. **Alternate Energy Source Utilisation:** Installation of 130 KV electricity generating roof top solar panel has been done. Replacement of conventional lights with LED lights throughout the campus including all offices, like Principal office, office of IQAC, Administrative Office, Library, Staff rooms, Girls Common Room, Labs, Departmental Offices, and all classrooms to save and conserve energy. Installation of Energy Efficiency Equipment like power saving ACs and fridges will be done.
6. **Initiatives towards Landscaping by Gardening Committee and Eco Club:** Following activities will be undertaken
 - ✓ Planting of seasonal flowering plants
 - ✓ Maintaining Rose Garden
 - ✓ Regularly adding and maintaining medicinal plants in Herbal Garden
 - ✓ Practising Composting using composting machine and utilizing manure produced for the maintenance of plants and involving students for awareness
7. **Ban on use of plastic:** Single-use plastic items such as plastic bottles, bags, spoons, straws and cups are banned completely and awareness is created among staff and students through orientation and display boards in the premises. The staff and students are informed to use steel or copper water bottles instead of plastic bottles.
8. **Air Pollution Management:** The College will conduct awareness programs for staff, students, and society for protecting and maintaining environment and air pollution management. In compliance with the frame work provided by the National Tobacco Control Programme (NTCP) 2007-2008, the college also strictly prohibits smoking and the use of other tobacco products. "No Smoking, No Tobacco". Slogans/posters will be put

up in prominent locations. Tobacco and associated substances are strictly prohibited in the college premises and is a punishable offence.

9. **Green Audit:** The College will regularly conduct a Green Audit of our college campus to assess our strength 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 committees will work towards compliances of recommendations of this audit. Recycling projects or waste minimization plans will be adopted. It will create health consciousness and promote environmental values and ethics. It provides a better understanding of the impact of eco-friendly practices on campus. Green auditing will promote financial savings through reduction of resource use.
10. **Water Audit:** Every two years the college will conduct the water audit which will ensure judicious utilization of water recycling.
11. **Energy Audit:** An Energy Audit will be conducted on regular intervals 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.
12. **Restricted Entry of Automobiles:** Patterns of parking and driving around campus have significant effects on campus life and the environment at large. While it seems like a relatively small issue in the context of the operations of the College, reducing driving behavior fits within many of the other initiatives that the RLAC has set forth to achieve, such as the Sustainability Initiative and creating well-rounded citizens of the community at large. Activities to motivate the faculty and student to preferably use public transportation/shared transportation and the vehicles will be restricted till parking area



Prof Rakesh Kumar Gupta
Principal