

R. D. ENGINEERING COLLEGE

Approved by AICTE New Delhi & Affiliated to Dr. APJ Abdul Kalam Technical University, Lucknow
under the aegis of IQAC

Green and Environment Audit Policy:

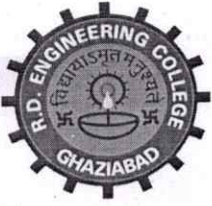
A green and environmental policy is thoroughly done in R.D. Engineering College for sustainability, environmental conservation, and responsible resource management. Such policies are crucial for businesses, government entities, and other organizations to demonstrate their dedication to reducing their environmental impact and contributing to a more sustainable future. Below are key components that are typically included in a green and environmental policy:

1. **Scope Definition:** Determine the boundaries and focus areas of the audit.
2. **Data Collection:** Gather information on the organization's environmental aspects, including resource use and emissions.
3. **Regulatory Compliance:** Assess the organization's compliance with environmental laws and regulations.
4. **Identification of Risks and Opportunities:** Identify potential risks to the environment and opportunities for improvement.
5. **Performance Measurement:** Evaluate the organization's environmental performance against established benchmarks or targets.
6. **Stakeholder Engagement:** Involve relevant stakeholders in the audit process, such as employees, customers, and local communities.
7. **Reporting:** Communicate the audit findings, including areas of strength and weakness, and propose recommendations for improvement.
8. **Environment Policy:** An Environmental Policy is a formal statement that outlines an organization's commitment to environmental sustainability and its approach to managing its impact on the environment. This policy sets the overall framework for the organization's environmental objectives and targets.
9. **Continuous Improvement:** A pledge to continually improve environmental performance through the setting of objectives and targets.
10. **Prevention of Pollution:** A commitment to preventing pollution and minimizing adverse environmental impacts.
11. **Resource Conservation:** An acknowledgment of the importance of conserving resources, including energy and water.

Both the Green and Environment Audit and the Environmental Policy are essential components of an organization's broader sustainability efforts. The audit helps identify areas for improvement, while the policy provides a strategic framework for environmental management. Together, they contribute to an organization's efforts to operate in an environmentally responsible and sustainable manner.


Registrar
R.D. Engineering College
Ghaziabad
Registrar-RDEC


Director
R.D. Engineering College
Duhai, Ghaziabad



AICTE ID: 1-3548321

College Code: 231

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Alternate source of energy and energy conservation measures

Renewable energy is good for the planet and for people. Renewable energy is energy derived from natural resources that replenish themselves in less than a human life time without depleting the planet's resources. These resources- such as sunlight, wind, tides, waves and biomass- have the benefit of being available in one form or another nearly everywhere. They are virtually inexhaustible. And, what is even more important, they cause little climate or environment damage. The alternative Energy sources of RD Engineering College are made for proper implementation and efficient utilization of renewable Energy Sources.

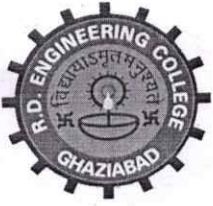
The college management has taken following measures for conserving the energy.

- To install and use **Solar Energy** in the college campus to save energy.
- To install and use **LED bulbs** in the college campus.
- To invest in power efficient equipments.
- To create awareness that small actions matter- Save Energy labels/ posters are put up at various locations in the institution.
- Use of natural lightning and ventilation is encouraged as and when possible.
- To take additional measure to continuously improve our energy consumption.
- To ensure the availability of necessary resources to achieve the objectives.


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Policy for Plastic-free Campus

The global issue of environmental pollution caused by plastics has been recognized. The widespread popularity of plastic and plastic products can be attributed to their short-term benefits and convenience. Over the course of the last century, the utilization of plastic has experienced a significant increase in popularity, surpassing the capacity of waste management systems. Plastic pollution has detrimental effects on both the environment and human health and well-being. The issue of plastic pollution has been contributed to by all individuals, whether intentionally or unintentionally, and collaborative efforts must be made to mitigate and eliminate this problem.

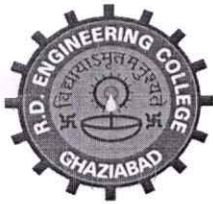
Guidelines

- The institute aims to provide education to stakeholders regarding the importance of reducing reusing and recycling plastic.
- It is recommended that all stakeholder minimize their dependence on plastic bags within the campus premises.
- Stakeholders must comply with stringent waste segregation protocols.
- To the extent possible, it is recommended that students engage in the recycle of available resources for their creative endeavours during college festivals.
- Organizing events and poster competitions, among other initiatives, to encourage the development of eco-friendly products and reduce the consumption of disposable plastic items.

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WASTE MANAGEMENT POLICY

R D Engineering College, Ghaziabad has opted waste management system in its own campus for promoting the green environment in the society. The Waste Disposal system is being followed on the campus as per the following steps:

STEP-1: All waste materials like Paper/ Food/ Plastics/Glass/ Electronics and other waste will be segregated at the campus level or thrown in separate dustbins placed at office, cabins or common areas of the institute.

STEP-2: Housekeepers will collect the waste material from all areas of the institute and drop the same in their respective bins of the garbage area. Segregation of waste is done on the following basis:

- Papers waste will be stored in the paper house.
- Food waste will be stored in the food-waste –labeled bins. Plastic waste will be stored in the plastic-waste-labeled bin.
- Glass and metal waste will be stored in the Glass and Metal-waste-labeled bin.
- Electronics waste will be stored in the electronics-waste-labeled bins.

STEP-3: All Electronics waste will be issued to recycling agencies as per the list. All the other waste collected from the open area/ green lands/ lawn etc will be stored in the particular allotted area. It will be converted into a compost through any compost-making process.

All members (Teaching and Non-teaching) of the institute are hereby requested to follow the waste segregation method in their offices/ institute campus.

Instructions for Housekeepers: Housekeepers will collect the waste from offices/ common areas of the institute, segregate them and drop the same in the particular bins as labeled on them or in the designated areas.

Waste Management Plan: The waste management plan comprises of many stages through which all the waste material of the campus has to be traversed.


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Major Initiatives for coming year 2023-24

Herb Garden

An herb garden is often a dedicated space in a garden, devoted to growing a specific group of plants called herbs or medicinal plants. They can just be dedicated patches where such herbs grow randomly, or they may also be carefully designed. Herb gardens could be purely functional for growing these important plants, or they could also include a blend of functional, medicinal, and ornamental plants.

Medicinal plants and herbs are considered valuable and important ingredients which can be used in development of life saving drugs. Apart from that, these plants also play a critical role in the health, well-being and human cultures of people around the world.

We are in process of Establishing, Herbal Garden. We intend to grow mon grass, Himalayan yew, peppermint, spearmint, basil, rosemary, lemon balm, cardamom, Sichuan pepper (Timur), in the first Phase.

Bird Sanctuary- We intend to introduce pair of Duck in our Campus. These birds act as Natural Cleaner and removes Insects from the ground. We plan to nurture the Captive bird in Rose Garden area on Trial Basis.

Cow Dung- We intend to distribute Cow Dung to whoever asks for, there will be no charge. This is our support to Horticulturalist and Pot Gardeners, near our Area. Faculty, Staff and Students, have been told to spread this message through "Word of Mouth". Needless to say, we have a Gashala in our College, housing Abandoned and Injured Cows of the District.


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Major Initiatives for coming year 2024-25

BIOGAS Plant -Biogas is an environmentally-friendly, renewable energy source produced by the breakdown of organic matter such as food scraps and animal waste. Find out how biogas is produced and how it can be used to fuel vehicles, heat our homes and to generate electricity. Waste Produce in Gaushala, Food Waste in Hostel, will be the Principal Ingredient of "Biogas" plant.

Exotic Garden- We intend to develop an Exotic Garden, which will require Green House. We plan to grow Tea Plant, Coffee Plant, varieties of Bamboo, Sharifa, etc in this Garden. This Garden will be for Educational Purpose and will infuse a Spirit of Enquiry in our Students.


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