



# GOVERNMENT COLLEGE KASARAGOD

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## Action Taken Report on Green Audit

### Findings and Corresponding Actions:

#### 1. Biodiversity Park and Gardens:

- **Finding:** The College has a well-maintained biodiversity park, bambusetum, Endemic Garden, and RET garden.
- **Action Taken:** Continued maintenance schedules have been set up, with specialists assigned to ensure the health and growth of the species present.

#### 2. Public Transportation Encouragement:

- **Finding:** Students are utilizing public transportation benefits provided by the Government of Kerala.
- **Action Taken:** Promoted the benefits of using public transportation through campus-wide awareness campaigns and seminars.

#### 3. Tree Plantation:

- **Finding:** Trees are consistently being planted within the campus.
- **Action Taken:** Organized additional tree plantation drives involving students, faculty, and local communities.

#### 4. Maintenance of Plants:

- **Finding:** Implementation and upkeep of plants are done with active student participation.
- **Action Taken:** Created student gardening clubs to ensure consistent care and maintenance of plants, fostering a sense of responsibility and ownership among students.

#### 5. Campus Biodiversity:

- **Finding:** The campus has a varied collection of flora and fauna.
- **Action Taken:** Collaborated with local environmentalists to assess and create strategies to protect and nurture the biodiversity within the campus.



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## Actions based on Recommendations:

### 1. Carbon Negative Campus:

- **Recommendation:** Plant more trees to make the campus carbon-negative.
- **Action Taken:** Identified spaces within the campus for tree planting and initiated a 'Green Marathon' where every student plants at least one tree in an academic year.

### 2. Vehicle Pooling:

- **Recommendation:** Encourage vehicle pooling to minimize vehicles on campus.
- **Action Taken:** Introduced a carpooling platform exclusive to the college community and incentivized carpooling by providing prime parking spaces.

### 3. Electric Vehicles (EVs):

- **Recommendation:** Boost the use of electric vehicles over traditional fossil fuel vehicles.
- **Action Taken:** Installed EV charging stations within the campus and offered subsidies on charging costs for the first year. Conducted EV awareness programs highlighting their environmental benefits.

### 4. Bicycles for Short Distances:

- **Recommendation:** Advocate the use of bicycles for short commutes.
- **Action Taken:** Set up bicycle rental stations throughout the campus, ensuring easy accessibility. Organized 'Bicycle Days' to encourage students and staff to use bicycles and understand their benefits.



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## Action Taken Report on Energy Audit

### Action Plan:

#### Immediate:

1. Begin the process of replacing fluorescent tubes with LED tubes.
2. Assess the feasibility and costs of enhancing the power of the existing solar panel system.

#### Short-term:

1. Maximize the utilization of solar panels to cater to electricity needs.
2. Draft designs for buildings with improved ventilation and air circulation.
3. Plan the establishment of biogas plants in the college hostel.
4. Start monitoring energy consumption patterns.

#### Long-term:

1. Set tangible energy reduction targets.
2. Begin replacing ceiling fans with 5-star-rated BLDC fans.
3. Draft a replacement plan for computers older than 3-5 years.

### Action Takes on Monthly Electricity Consumption and Bill

1. Reviewed the details of average monthly electricity consumption and bills for the college.
2. Confirmed the average monthly electricity consumption of the college is 2742 units (main campus). Taken measures to reduce this bill by advocating better energy usage patterns and awareness.
3. Monthly Electricity Bill: Verified the average monthly bill amounting to 28383.00/- for the college. The college council is intended to constitute a committee to prepare a Solar Energy plant for the college. A proposal for a 200 kW solar plant has been submitted under the RUSA Phase 3 for the college. Decided to initiate the plans to build the plant with ANERT, the agency for Non-Conventional Energy Sources of the Government of Kerala.
4. Conclusion: Acknowledged the importance of electricity consumption and associated costs for the college. Emphasized the need for regular monitoring to identify potential cost-saving areas.
5. Recognized its contribution to sustainability, reducing carbon footprint, and saving energy costs. Highlighted the alignment of this initiative with broader goals of energy efficiency and environmental conservation. The following steps are being taken to spread awareness and reduce the carbon footprint of the College:
  - a. Bhoomitra Sena will make sure that both departments and students are aware of the significance of energy management.
  - b. Decided to increase the adoption of sustainable practices like solar panels, LED lighting, and biogas facilities.
  - c. Pointed out areas where the college's actions are not in sync with its Green Policy and required standards.



  
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## Action Taken Report on Environmental Audit

### 1. Carbon Neutral Campus:

#### Action Taken:

- Engaged a team of environmental consultants to develop a roadmap for transforming the campus into a carbon-neutral space.
- Initiated the process of measuring the campus's carbon footprint to establish a baseline.
- Explored partnerships with renewable energy providers to reduce dependence on fossil fuels.

### 2. Chemical Waste Disposal:

#### Action Taken:

- Established a Chemical Waste Management Committee.
- Identified and segregated chemicals based on their hazard levels.
- Collaborated with certified disposal companies to ensure proper disposal of chemical waste.

### 3. Rainwater Recharge Pits:

#### Action Taken:

- Commissioned a hydrological survey to identify optimal locations for rainwater recharge pits.
- Successfully increased the number of recharge pits by 25%, with plans to add more in the coming months.

### 4. Enhancing Biodiversity:

#### Action Taken:

- Organized a tree plantation drive involving students, faculty, and staff.
- Planted over 500 trees and shrubs of native species.
- Initiated a bi-annual audit to monitor tree growth and water-holding capacity improvements.

### 5. Waste Management Awareness:

#### Action Taken:

- Launched a 'Green Campus' campaign to spread awareness.
- Conducted workshops and seminars on proper waste management for students.
- Introduced an e-learning module on waste management for new enrollees.



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## 6. Cloth Carry Bags:

### Action Taken:

- Collaborated with local artisans to produce cloth carry bags with the college logo.
- Distributed free cloth bags to all students and staff and made them available at campus stores.
- Implemented a ban on plastic bags within campus premises.

## 7. Waste Bins:

### Action Taken:

- Procured and placed 100 additional waste bins across the campus.
- Introduced separate bins for biodegradable and non-biodegradable waste to facilitate segregation.

## 8. Paper Pen Adoption:

### Action Taken:

- Partnered with suppliers to provide paper pens at all campus stationary stores.
- Ran an awareness campaign highlighting the environmental benefits of using paper pens.
- Distributed free paper pens to encourage their use among students and staff.

## 9. 3 R's (Reduce, Reuse, Recycle):

### Action Taken:

- Organized a series of workshops to educate the campus community on the importance of the 3 R's.
- Set up recycling bins and partnered with local recyclers.
- Initiated a project to upcycle waste materials into art and utility products, displaying them at campus events.



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