



**KARPAGA VINAYAGA
COLLEGE OF ENGINEERING AND TECHNOLOGY**
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

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Internal Quality Assurance Cell (IQAC)

**GREEN AND ENVIRONMENT
POLICY**

Scope:

This policy applies to all employees and students of the Institution to provide an ecofriendly atmosphere.

Purpose:

The green campus and environment policy of Karpaga Vinayaga College of Engineering and Technology aims to provide an education and awareness in a clean and green environment to the stakeholders with regards to environmental compliance.

3. Policy making

3.1. Cleanliness on the Karpaga Vinayaga College of Engineering and Technology campus is maintained through proper disposal of wastes and steps taken to recycle the biodegradable wastes. Utilization of eco-friendly supplies and an effective recycling programme to maintain the campus free from hazardous wastes. The concept of eco-friendly culture is disseminated among the students as well as rural community through various awareness programmes, seminars / conferences reuse and recycle the waste materials. Attempts are made to limit energy usage and also replace non-renewable energy sources with renewable energy sources.

The main objectives are as follows:

3.1.1. To grow a large number of plants which are producing more amounts of oxygen and absorbing more amount of carbon-di-oxide in the campus.

3.1.2. To create a pollution-free environment through a proper waste management system and to set a procedure for disposal of all kinds of wastes and green cover provides pollution free air, working as a carbon sink.

3.1.3. To conserve energy by using alternative energy resources such as solar energy, wind energy, biogas and other power-efficient equipment to reduce the electrical energy.

3.1.4. To encourage the application of rainwater harvesting system among students for future needs which in turn useful to raise the ground water level.

3.1.5. To ensure that the campus should be in greenish in terms of planting a large number of trees, herbs, shrubs, climbers, twins and lawns which in turn not only to reduce the environmental pollution and soil erosion but also useful for biodiversity conservation, landscape management, proper water irrigation, natural topography and vegetation.

3.2. The institution vouchsafes:

3.2.1. Its commitment to sustainability and environmental management system and to recognise the initiatives taken towards the environment and threat to the human health by Karpaga Vinayaga College of Engineering and Technology.

3.2.2. To identify the impact of Organization on environment and to provide baseline information to assess threat and risk to the ecosystem.

3.2.3. A commitment to prevent pollution and to continuously improve environmental performance to conserve the nature for future generation

3.2.4. A commitment to keeping students and employees safe through creation of environmental culture and sustainable solutions to environmental problems to various social and economic needs

3.3. Implement the green campus initiatives by means of environmental friendly practices and education combined to promote sustainable and ecofriendly practices along with user-friendly technology in the campus

3.3.1. Use of alternative energy systems such as solar energy, biogas plant, sensor based energy conservation and the use of LED bulbs/power-efficient equipment towards energy audit practice

3.3.2. Ensure proper utilization of resources available in the surrounding areas towards welfare of the community in future

3.3.3. Pollution free environment through the restricted entry of automobiles, use of bicycles/battery-powered vehicles, pedestrian-friendly pathways, ban on the use of plastics and landscaping with trees and plants.

3.3.4. Water conservation through rainwater harvesting, water irrigation system, bore well recharge, water reservoir facility and construction of tanks and bonds.

4. Effective measures

4.1. Green campus

4.1.1. Landscaping and more than 25% green cover area planted with trees, shrubs and herbs

4.1.2. Creating a nature ecosystem containing native and wild plants, animals and birds

4.1.3. Grow a large number of oxygen producing and carbon-di-oxide absorbing plants

4.1.4. Pollution-free environment and greenish campus

4.1.5. Biodiversity conservation, landscape management, natural topography and vegetation

4.2. Environment friendly campus

- 4.2.1. Providing eco-friendly atmosphere to the stakeholders
- 4.2.2. Providing good drinking water facility to the students and staff
- 4.2.3. Use of organic manure, cow dung and vermicompost for the cultivation of plants
- 4.2.4. Eliminated campus of all non-compostable, single-use disposable plastic items.
- 4.2.5. Avoidance of single-use plastic utensils, plastic straws and stirrers, single use plastic
- 4.2.6. Education on the commitment to plastic-free alternatives for all incoming and current students, staff and faculty.
- 4.2.7. Reduction of use of papers alternated with e-services and e-circulars, etc.
- 4.2.8. Proper disposal of wastes, recycling and suitable waste management system.

4.3. Energy efficiency campus

- 4.3.1. User-friendly technology (e-service) in the campus
- 4.3.2. Automobiles not permitted inside the campus and allowed only up to the parking area
- 4.3.3. Encouraged use of bicycles, battery operated vehicles, public transport and carpooling.
- 4.3.4. Energy conservation, energy efficiency and reduction in energy consumption
- 4.3.5. Alternative energy resources like solar, wind, biogas and power-efficient equipment
- 4.3.6. Application of rainwater harvesting system and proper water irrigation
- 4.3.7. Alternative energy systems such as solar energy, biogas plant and sensorbased energy conservation.
- 4.3.8. Use of LED bulbs/power-efficient equipment rather flourescent and sodium vapour lamps
- 4.3.9. Use of bicycles/battery-powered vehicles and pedestrian-friendly pathways.

5. Problem-solving

- 5.1. Implement ‘Green campus audit’, ‘Environment audit’ and ‘Energy audit’ practice in Karpaga Vinayaga College of Engineering and Technology
- 5.2. Dissemination of eco-friendly culture through seminars / conferences / workshops
- 5.3. Educate the importance of environment, water, air, soil, energy, hygiene and etc. to the students and staff members
- 5.4. Education on the commitment to plastic-free, grow more trees, maintain the nature topology and vegetation and minimize the electrical energy
- 5.5. Creation of rain harvesting system, water reservoir facility and construction of tanks and bonds inside the Organization campus
- 5.6. Implement the green campus motto with the vision of Swachh Bharath Abhiyan and Jal Shakti Abhiyan under Clean India Mission

6. Responsibility

Green & Environment Policy – Karpaga Vinayaga College of Engineering and Technology

The Head of the Organization, Department Heads and Senior Managers including Management Representatives are responsible for monitoring the go green initiatives of Karpaga Vinayaga College of Engineering and Technology and maintain a clean/green campus. In addition, the staff and student volunteers from Nature club, Eco clubs, Science club, NCC and NSS units are also responsible for the implementation of the green campus and environment policy in the Organization.