



# PAAVAI

## ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44, Paavai Nagar, Pachal, Namakkal - 637 018.

(Approved by AICTE Government of India | Affiliated to Anna University, Chennai)

## POLICY ON ENVIRONMENT AND ENERGY USAGE

JUNE 2024





### **Institution Vision**

To strive to be a globally model Institution all set for taking ‘lead-role’ in grooming the younger generation socially responsible and professionally competent to face the challenges ahead.

### **Institution Mission**

- To provide goal- oriented, quality – based and value – added education through state – of – the – art technology on a par with international standards.
- To promote nation – building activities in science, technology, humanities and management through research
- To create and sustain a community of learning that sticks on to social, ethical, ecological, cultural and economic upliftment.

## **PREAMBLE**

Paavai Engineering College is one of the Premier Institutions in providing quality education for engineering students and it aims to produce professionals of technically competent and socially responsible. The college has formulated the policy on Environment and energy usage to affirm the Institution commitment to environment and energy issues and to solve those issues through continuous improvement in environment related activities. The policy aims to ensure environment and energy compliance by adhering the sound environment and energy policies in academic and administration departments of the institution.

Paavai Engineering College understands that ecological sustainability is the key components of social responsibility and therefore strives to conserve the environment by adhering eco-friendly approach from implementation to training the students as well. This includes conserving raw materials, energy and water and avoiding and reducing CO<sub>2</sub> emission and waste management.

The environment and energy policy is connecting all the sectors of the institution and it applies to all its stakeholders and to the various activities carried out by the institution. It will help us to improve the efficiency and environmental awareness in our everyday activities, thus helping us to realize our responsibilities and commitment to conservation of natural resources and to limit its usage.

The policy is to conserve natural environment, provide sustainable solutions and control energy consumption in order

- To create awareness among students in conserving natural resources and development of sustainable environment for national prosperity.
- To adopt ethical and environment friendly approach in all the activities of the institution to conserve the natural environment.
- To evolve futuristic technologies and develop engineering solutions the helps us to sustain the environment and energy in optimum way.
- To build a society that has a attitude of conservation and be harmony with nature.

**Policies:**

Approved courses as Environment Science and Engineering as a mandatory course, Waste water engineering offered in B.E Civil Engineering, Safety Engineering and environment system and Renewable energy offered in B.E. Mechanical Engineering, Green computing is offered in B.E Computer science and Engineering, Wind and solar energy system is offered in B.E Electrical and Electronics Engineering and almost all courses in B.E. Agricultural Engineering includes environment and sustainability factors inbuilt in the curriculum which makes the students to become aware of the environment where they live for the better future and these courses is being implemented in the curriculum.

- To assess our energy usage and measure its impact on the environment.
- To reduce local air pollution emissions using environment-friendly vehicles, including bicycles, public transportation and use of pedestrian-friendly roads.
- To minimize energy resources and maximize the natural ventilation and energy substitution.
- To install photovoltaic solar panels for the generation of alternate energy.
- To install LED bulbs in the complete campus to save energy.
- To develop systematic waste management mechanism.
- To maintain rain water harvesting unit.
- To undertake tree plantation drive.
- To take additional measures to continuously improve our energy consumption.
- To ensure the availability of necessary resources to achieve our objectives.
- To monitor and respond to emerging environmental and energy issues.
- To strengthen our faculty members and students' environmental knowledge and skills in order to improve our own environmental performance.
- To provide information and training opportunities on energy saving measures.
- To offer opportunities for faculty members and students to engage in initiatives those contribute to environmental protection.
- To train our faculty members and students and make them 'Go Green Specialists' and partners to plant trees each year.

**Energy saving**

The staff members and students lead initiatives to save significant electricity and have developed a policy for reducing electricity consumption by using LED and replacing the

old tube lights with LEDs. All the computer monitors have been replaced with LED/LCDs displays. Replacement of old appliances like lights, fans with energy-efficient appliances is underway. The process of the paperless office and use of e-documents for routine work has been planned. Smoke-Free and Tobacco-Free Campus

### **Say No to Plastics**

No use of plastics is practiced by students, staff, faculty, and visitors on the campus. The waste collection bins are kept in appropriate places and managed accordingly. No plastic zone and ban of plastics, instead use of cloth bags, paper bags are practiced.

### **Waste management**

The college has the facility for solid and liquid waste management system. The Biogas plant has been installed to treat solid waste and Waste water treatment plant has been established for treating waste water treatment.

This policy is being communicated to the students and faculty members via internal communication channels, and will be made available to all the stakeholders on the institutional website. The Environment and Energy Policy, objectives and targets will be reviewed on a regular basis under the guidance of the Principal of the college.

**SAVE ENERGY, SAVE HUMANITY**



## **PAAVAI VISION**



## **PAAVAI CULTURE**

We challenge the changes  
We seek beyond the best  
Work shall be taken not to be given  
We produce value added professionals  
We lead to Prosper, Excel and Conquer

## **PAAVAI MANTRA**

Own Our Words and Deeds

