



## **BHIMAVARAM INSTITUTE OF ENGINEERING & TECHNOLOGY**

(Approved by AICTE, New Delhi & Affiliated to JNTUK Kakinada)

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### **POLICY DOCUMENTS ON ENVIRONMENT AND ENERGY UTILIZATION**

**“The only real solution to conserve nature is to create a conscious planet that is every one of us is a conscious existence.”**

**-Sadhguru**

Bhimavaram Institute of Engineering and Technology bequeath a clean and ecologically pleasant campus, where eco-friendly teaching and activities work together to foster sustainable and environmentally friendly behaviour. The Green Campus concept allows the institution to take the lead in the regeneration of environmental culture by promoting environmental ideals among students and faculty. In order to instill eco-consciousness in themselves and the world around them, the Institute also encourages students and staff to adopt, implement, and support environmentally friendly practices. The growing human footprint on the planet is generating significant environmental issues that are only going to become worse over time. A massive effort is required to offset the detrimental impacts of human activities on the environment, which, in turn, affect how we interact with the world and with one another. All problem-solving strategies must be used in order to create true change.

#### **Objectives:**

- To encourage the students to maintain clean and green environment
- To educate the students to create awareness amongst public
- To instill the students, the value of the environment and the issues that it faces.

Green Campus Initiatives are as follows:

#### **Energy Consumption:**

Energy saved is the energy generated. To reduce the energy consumption, the Institute practices

- a) Turn off the things when not in use.
- b) Using LED light bulbs.
- c) Usage of Bureau of Energy Efficiency (BEE) rating appliances for energy saving.

#### **Renewable energy:**

Solar energy is the cleanest and most abundant renewable energy source. The institute promotes solar energy, the stakeholders are encouraged for promoting and adopting renewable energy.

### **Conserve natural resources:**

The institution believes in sustainable natural resources conservation and it is a process of rational use and skilful management and preservation of the natural environment with all its resources. The trees like mango, neem, tamarind, are preserved. From the inception of the Institute, the students and staff actively participate in tree plantation activities.

### **Water Resources Preservation:**

Urban development, demographic growth and climate change have serious impacts on stocks of resources around the world, particularly to preserve water resources. Some initiatives are:

- Use a broom instead of a hose to sweep sidewalks and driveways.
- Run the dishwasher or washing machine only with a full load.
- Water the lawns in the mornings or evenings. Make sure the water lands on vegetation and not on streets or sidewalks. If possible, save rainwater for watering lawns.
- When washing dishes by hand, use a sink full of rinse water rather than letting the water run.
- When washing the vehicles, use a hose with an on/ off nozzle or use buckets of rinse water.
- Fix the leaks in the water pipelines.
- Judiciously using water while bathing.

### **Restricted entry of motor vehicles:**

The staff and students have to possess emission certification while using the two-wheeler/ four-vehicles. Students and staff are encouraged to have bike or car pooling following the norms to reduce the emissions. Nearly 30 buses are plying to cater students and staff transportation to reduce consumption of petrol / diesel to cut emissions.

### **Pedestrian friendly pathways:**

Campus has sufficient space for parking vehicles of staff and students. Roads inside the campus are well maintained. Pedestrians can walk safely on the pathways.

### **Promoting use of bicycles:**

The Institute encourages the students and staff to use bicycles in the campus.

Some students regularly use bicycles. It is a fuel saving attitude for Tuture generations

**Ban on use of Plastic:**

The institution banned single usage of plastic. In the canteen steel glasses, Plates and spoons are in use to be eco-friendly environment.

**Landscaping with trees and Plants:**

Along with regular practice of planting trees, the students and staff enthusiastically participate in "**Vana Mahotsavam**" programme initiated by the Government of Andhra Pradesh to spread the green culture in the vicinity.

**Waste management:**

The Institute practices three R's (Reduce, Recycle and Reuse) to tackle the waste. Some initiatives are as follows:

1. Green dust bins are used for bio-degradable (wet-waste). Blue dust bins are used for non-bio-degradable (dry-waste).
2. Utilizing half used paper for rough work.
3. Women wash rooms are provided with incinerations to destroy sanitary napkins for easy disposal in an environmental friendly way.
4. Canteen waste is used in bio-gas production.
5. The waste from vegetables and food are composted and used as fertilizer.
6. Encouraged to use electronic form of content instead of paper.



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