

## **5. ENERGY POLICY**

### **5.1 PURPOSE**

The post-performance audit mechanisms that an organization practices determine whether Sustainable Development Goals (SDGs) are met. Today, energy and environmental conservation are of vital significance. Another important factor that is success in attainment of Sustainable Development Goals is the rapidly increasing energy usage. Karpagam Institute of Technology upholds the finest energy policies to encourage the use of renewable energy sources, with a focus on preventing use of fossil fuels and improving sustainability of earth. The Institute's energy policy outlines procedure for promoting such awareness and energy conservation by creating best practices, ensuring that energy use is efficiently controlled within the institute. The organization's energy policy outlines various operational procedures that must be used in order to achieve energy conservation. As energy conservation is the duty of every member of the institution and not just one individual, it also outlines the roles and duties of stakeholders participating at all levels of the organization.

### **5.2 SCOPE**

The organization's energy strategy is applicable to all of its stakeholders in order to ensure a sustainable and eco-friendly environment.

### **5.3 POLICY STATEMENT**

Karpagam Institute of Technology's stakeholders are responsible for bringing awareness about the organization's energy-saving initiatives, which are tracked and controlled under the institute's energy policy. To achieve energy saving strategically, the following goals are recommended and are put into practice:

- Ensure proper backup of supply.
- Energy efficiency initiatives in supply and demand systems are part of the campus's overall energy management.
- Sensor-based energy saving is being implemented.
- The gradual replacement of existing incandescent bulbs with advanced and economical LED models.
- Efficient use of energy to save both time and money.
- Use energy-efficient equipment to reduce the amount of energy used.
- Deploy daylight and natural ventilation to the maximum possible means.
- Encourage use of renewable energy sources.
- Purchase and use high performance recommended appliances to reduce power consumption.

- Switch off any equipment when not in use.
- Energy efficiency initiatives in supply and demand systems are a part of the campus's overall energy management initiatives.
- Sensor-based energy utilization is being implemented
- Positively motivate stakeholders regarding conservation of energy.
- Shift usage of non-priority loads during non-peak hours
- Ensure proper backup of supply.
- Gradual replacement of existing incandescent bulbs with advanced and economical LED models.
- The organization's policy will be regularly reviewed, audited, updated and its execution is assured to the best possible.

#### **5.4 EFFECTIVE MEASURES**

- Analyze electricity consumption through utility bills and set a bench mark to conserve energy periodically. Achievements of set bench marks are audited periodically.
- Identify one member as energy manager and train him on all aspects of conserving energy.
- Identify potential energy conservation measures that can be followed in the organization.
- Evaluate energy-efficiency of appliances.
- All stakeholders should follow energy policy and focus on energy conservation measures.

#### **5.5 PROBLEM SOLVING**

- Organizing seminars and workshops to educate people about the immediate need of energy conservation and management.
- Stakeholders are being conversed about the organization's commitment to a sustainable energy campus and contribute to conservation of energy.

#### **5.6 RESPONSIBILITY**

Head of the Organization, Department Heads, Deans, Finance Officers, Office Managers, including Management Representatives are responsible for overseeing energy conservation measures in place at the college and maintaining the campus as an energy-sustainable environment.