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### **1.0 PURPOSE:**

The purpose of this policy is to implement alternate sources of energy and various ways of energy conservation within Dr.Moopen's Medical College,Wayanad.

### **2.0 SCOPE:**

The Scope of this policy lies throughout the organization.

### **3.0 RESPONSIBILITY:**

Responsibility for implementing this policy rests on every Faculty, Student and Staff of the organization.

### **4.0 DEFINITIONS:**

- **Alternate source of energy:** Alternative sources of energy can be defined as the use of sources of energy other than the traditional fossil fuels (such as oil, coal, and natural gas), which are shorter in supply and which are considered harmful to the environment. It includes all renewable and nuclear energy sources

### **5.0 POLICY PROCEDURES:**

#### **5.1 Objectives of the policy**

- To gain more control over their energy usage and reduce the demand on the earth's natural resources.
- For using less energy more efficiently, and ultimately, using only renewable energy that will sustain us now while not resulting in scarcity and environmental damage in the future

#### **5.2 Solar energy**

Solar power generates 100% clean and renewable energy.Dr.Moopen's Medical College uses solar energy generated through solar panel as an alternate source of energy for various purposes.

#### **5.3 Energy Conservation Practices**

- Our Energy conservation practices include the College replacing all tube lights with LED tubes, LED bulbs being the most energy efficient lighting option. LED tubes use 75% less



electricity than incandescent tubes (Energy Star). LED tubes last about 25 times longer than traditional incandescent tubes. 100 percent of lighting requirement is met through LED.

- Energy conservation practices and eco-friendly habits are inculcated among students and staff through cautioning them about simple things which are really effective to reduce Electricity Consumption like students and staff turning off all lights, appliances and electronics not in use.

#### **5.4 Raising Awareness on Energy Conservation:**

- Sustainability efforts, energy savings, and greenhouse gas inventory metrics are all high priorities to a college and more importantly, to our students. When engaging in a master energy plan or energy savings renovation project, there is an excellent opportunity to build student support around campus sustainability.
- Energy improvements occur mostly out of sight so raising awareness of these projects can hold real benefits, including encouraging desired behaviour on how a campus building can and should be used to contribute to a college's carbon footprint reduction goals.
- Rising utility rates are generally a fact of life. Just like inflation, the cost of electricity, gas, and water will go up a few percentage points each year. Whether all at once or over time, utility rate increases can wreak havoc on the operations budgets for the college.

#### **5.5 Energy saving “Tips” to be followed**

1. Activate power management features on computer and monitor so that it will go into a low power “sleep” mode when the students and staff are not working on it.
2. Turn off the monitor when the students and staff leave the table.
3. Whenever possible, shut down rather than logging off.
4. Turn off unnecessary lights and use daylight instead.
5. Avoid the use of decorative lighting.
6. Use LED or compact fluorescent bulbs.
7. Keep lights off in conference halls, classrooms, seminar halls when they are not in use.
8. Use the fans only when they are needed.
9. Unplug appliances not plugged into power strips  
(Like TVs, Refrigerators, ACs, tea/coffeepots, printers, and chargers etc.)



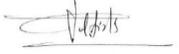
**ALTERNATE SOURCES OF ENERGY  
AND  
ENERGY CONSERVATION**

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**6.0 REFERENCES:**

1. NAAC-Unified Manual For Health Sciences Colleges 09/02/2021
  - Matrix: 7.1.3
2. Manual for 5<sup>th</sup> Edition NABH Standards

**APPROPRIATE APPROVAL:**

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