

# GOVERNMENT DEGREE COLLEGE , BHUPALAPALLY

## Department of physics

### Best practice

**Goal:** Minimize energy consumption in the Institution by enlightening students and staff about indispensability of energy saving.

**Context :** Energy conservation is the effort to reduce wasteful energy consumption. This can be done by using energy more effectively. We people waste a lot of energy in our daily usage either by not turning the lights off when not in use or by utilizing old and inefficient appliances that consume large amount of energy.

as of today, most of the energy is generated from coal powered power plants. These plants do generate energy but also pollute the environment by emitting harmful gases in the atmosphere. These toxic gases are just not only harmful to the environment but also cause serious health concern to humans and animals

Resources that are available to us today should be used economically to conserve them for future use since they are limited and will expire one day. The sad part is that we, humans, have been using these resources at such a high rate that we might end up using them much sooner. These resources such as coal, oil and gas are not sustainable. They might not be available for our coming generation. We, therefore, have a responsibility to conserve and save energy as much we can to make it available for our kids and protect our environment from further degradation.

### PRACTICES:

- The energy conservation club is formed by the incharge lecturer. this club includes students of all groups.and a lecturer . These students take care of switching of lights and fans of all rooms in the college.
- Replace all energy consuming traditional bulbs with LED bulbs.
- Conduct electricity conservation awareness programmes to the students and staff .
- Taking precautions such as Unplug overhead projectors, computers, and smart boards when not in use in the college. This simple way to conserve energy can help save large amount of power in everyday.
- Students guiding their parents about the need for energy conservation and in their homes they use LED bulbs.`
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- Removing old bulbs with led bulbs:



## Conducting Awareness Programme To The Students And Staff:



### **problems faced:**

- Unable to remove all the old appliances which are more power consuming.
- Replacing energy consuming electrical appliances such as fans and old computers not possible

### **EVIDENCE OF SUCCESS:**

- students cultivated the habit of switching off lights and fans when they are not in use.
- Many of the students replace old lights with LED bulbs at their homes