

BEST PRACTICES

ENERGY CONSERVATION

Title of the best practice – Energy conservation.

Energy conservation is the design and practice of using less energy.

Objective – Inculcate energy saving habits among students.

The context – The department of physics guide the students. Students done some activities relating to energy conservation.

The Need –

- Now-a-days the use of electric energy has increased.
- Conservation of electricity is more essential due to the concern for fast depletion of non – renewable sources of energy.
- Energy conservation needed to cut costs and to preserve the resources for longer use.
- Conservation of electricity is necessary to save the environment and the earth from global warming.
- Power is save equal to power generated. Saving electricity is important.
- As a result, we must conserve energy **“FOR YOUR BETTER TOMORROW, SAVE ENERGY TODAY”**.

Practice –

- Department of physics has organized an electrical energy saving method for the institution as well as energy conservation.
- Our energy conservation practices include the college replacing all the tube lights with LED tubes, LED bulbs are the most energy conscious option.
- LED lights are energy efficient, long lasting and emit less heat. They use up to 90% less energy than incandescent bulbs last up to 40 times longer and offer high quality light output.
- Energy conservation practices and eco – friendly habits are inculcating in students and staff by reminding them of simple things that are producing a result in lowering electricity consumption, such as students and staff turning off all lights, appliances when not in use.

Activities –

Group discussion:

On the topic of energy conservation



All the physics students explained the use of LEDs instead of incandescent bulbs in community.



Evidences of success –

- Now the students understand the importance of energy saving.
- Commitment of physics students promised that students themselves switch off lights and fans when they move out of rooms, create a culture of energy conversation.
- Some students convinced their parents using of CFL bulbs and LED bulbs.



Problems Encountered – There is no sufficient time to organize too many programs because of semester system.

SUSTAINABLE ENERGY

Title of the practice – Sustainable Energy

Sustainable energy includes any energy source that cannot be depleted and can remain viable forever.

Examples of sustainable energy include wind, solar and water.

Objective –

To know about importance of solar energy and other sustainable sources of energy.

Context –

Many of the people know that solar energy is used in agricultural purpose and large amount of electricity production in institutions and industries so on. They don't know the solar energy can also be used in home appliances. So the department of physics has organized some solar instrument exhibition in college by the physics students. Physics students explained the usage of solar energy in home appliances to other department students through solar instrument exhibition.

The Need –

- Now-a-days energy is used faster than it can be produced.
- Energy saved is energy generated – when we save one unit of energy, it is equivalent to 2 units of energy produced.
- The sustainable energy sources wind, solar and water are not a gift to us so we need to make energy conservation a habit.
- Solar energy has an important role in reducing greenhouse gas emissions, mitigating climate change, improve air quality and reduce water use from energy production.
- To save energy by using solar lamps, solar cookers and solar fans.

The practice –

Department of physics organized “Energy Exhibition” and educate the students the usage of solar instruments.

- We include the habit of usage of solar instruments by organizing the activities essay writing, group discussions, seminars, debates and exhibitions.
- Students played some important role in educating the people by doing renewable projects and surveys.

Activities –

- The department of physics organized an exhibition. All the students of other departments visited the exhibition.
- The faculty of physics department explained the use of different solar instruments.



Evidence of success –

- All the students visited the exhibition conducted in our college and learned the uses of solar energy.
- Many students participated in slogan writing competition.
- Some students convinced their parents in using of solar instruments.

Problems encountered –

If we want to conduct an exhibition the students have to spend much time to preparation.