

## **Best Practice-1**

**Title of the practice:** Use of Solar Power in College

### **Objectives of the Practice:**

- (i) To implement efficient and effective use of renewable energy
- (ii) To utilize the power generated for institutional purpose
- (iii) To reduce operating costs for the college.
- (iv) To provide unlimited and reliable energy
- (v) To promote pollution free environment
- (vi) To explore and optimally develop renewable energy resources in the state so as to meet the electricity demand in future
- (vii) To save electrical energy through energy efficiency measures and Demand Side Management.

### **The Context:**

Solar energy is the energy which the earth receives from the sun which converts into thermal or electrical energy. Moreover, solar energy influences the climate of the earth and weather to sustain life. It has great potential which we must use to our advantage fully. Through the solar energy essay, we will look at this in detail and know more about it carefully. Solar energy is very important as it is a clean and renewable source of energy. Thus, this means it will not damage the earth in any way. In addition, it is available on a daily basis. Similarly, it does not cause any kind of pollution. As it is environment-friendly, it is very important in today's world. It is so much better than other pollution sources of energies like fossil fuels and more. Further, it has low maintenance costs. Most importantly, it reduces the cost of electricity bills. In other words, we use it mostly for cooking and heating up our homes. Thus, it drops the utility bills cost and helps us save some extra money. Further, solar energy also has many possible applications. A lot of communities and villages make use of solar energy to power their homes, offices and more. Further, we can use it in areas where there is no access to a power grid.

### **The Practice:**

Gopal Chandra Memorial College of Education is very much concerned about energy conservation and minimal wastage of the same. Minimal consumption of energy is the saving factor of energy conservation in the campus. The Energy Audits revealed the shortcomings of the

energy conservation techniques in the college and also shed light on the wastage of energy. It was decided to reduce the wastage of energy with immediate effect. As a result the college increased the percent of its solar usage and took measures to increase its further. As a result the college installed solar panels in the rooftop of the college. This solar system generates energy which is more than sufficient to run the institution. All the electricity requirements of the college are met by these.

### **Evidence of Success:**

Installation of the solar station has helped in cutting down the electricity bill to a great extent. This project also helped to cultivate the habits of energy conservation among students.

### **Problems Encountered and Resources Required:**

One major problem with solar power is reliability. At best, a solar panel can produce electricity for 12 hours a day, and a panel will only reach peak output for a short period around midday. It can be used during the daytime when there is abundant sunlight obtainable. The expenses of setting up panels and solar cells for producing solar energy are quite high. It is needed big size land for setting the plants of solar energy for seizing the energy arriving through the sun.

## **Best Practices No-2**

**Title of the Practice:** 'Use of ICT in Teaching Learning'

### **Objectives of the Practice:**

- (i) To enhance learning experiences and to provide ICT skills
- (ii) To widen access to students through ICT
- (iii) To facilitate the training of ICT Teaching to faculty
- (iv) To deliver recent information with minimum time
- (v) To promote research related activities among students

### **The Context:**

ICT can be used as effective teaching tool for better learning experience. Intensive and extensive use of ICT in teaching learning has a significant and positive impact on students' achievement which results in better knowledge acquisition, enhancement of presentation skills and boosting innovative capacities among students. ICT skills promote the entrepreneurial and employable skills among students along with better learning experience. With this view our college has introduced the best practice 'Use of ICT in Teaching Learning'.

### **The Practice:**

There is ICT room in our college where students and teacher prepare their ICT based teaching-learning materials. Teachers use power point presentation for their teaching where it is needed. The students present their internal assessment topic with the help of power point presentation. Motivation to use student-centric ICT enabled teaching.

### **Evidence of Success:**

When teacher teach with the help of power point presentation the students easily understand the topic and enjoy the teaching-learning process. The students learn about the use of ICT. They use it for various activities.

### **Problems Encountered and Resources Required:**

Some students are unable to use ICT. Advance training for preparation and use of ICT is needed.