

## BEST PRACTICES: 2018-19

### Best Practice-I

- 1) **Title of the Practice:** Energy audit of college campus.
- 2) **Goal:** To determine how and where energy is used and to identify methods for energy savings.
- 3) **The Context:** Energy audits reveal your usage patterns, identify waste, over-expenditure and, generally, make you fully cognizant of where expenditure on energy consumption can be reduced. Lower energy consumption equals lower energy costs. And, of course, less energy consumption is obviously good for the environment.
- 4) **The Practice:** The energy audit of our college is done by PPS Energy Solutions, Pune in collaboration with Maharashtra Energy Development Agency (MEDA). A team of three members headed by Mr. Prashant Darade visited the college for the energy audit. Energy bills of past 12 months were submitted to the team leader before the actual visit of the team. The team went to each department, hostel, administrative block, library, labs and other college campus, detailed information about appliances was collected. Many appliances were mentioned rated values on name plate but actual power consumed is measured by power analyzer. Some other useful information was also obtained with interviewing electricians working in the institute.
- 5) **Evidence of Success:** There are various ways of improving present situation. As a first step instructions were displayed in each department and classrooms for students, teaching and non-teaching staff members to use fans, tube lights and other equipment's whenever necessary. As a future plan college is planning use of LEDs, purchase fans and other equipment's of low power rating that may be very useful in reducing the electricity bill.
- 6) **Problems encountered and resources required:** Main problem was faced during the data collection concerned with time usage of electrical appliances hours per day and days per year. To sort out this particular problem, data collection was verified with electricians and office workers.

## BEST PRACTICES: 2018-19

### Best Practice: II

- 1) **Title of the Practice:** Eco-friendly Ganesh Idol Preparation
- 2) **Goal:** Protecting Environment and encouraging Eco-friendly practice of Ganesh Festival Celebration and To bring it to the notice of students, the water pollution caused by Ganesh Festival Celebration
- 3) **Context:** It has been found that Plaster of Paris is used as a major material to mould the Ganesh idol which contains harmful chemicals such as magnesium, gypsum, sulphur, and phosphorus. The colours which are used to paint the idols also contain harmful chemicals and the decoration material made of thermocol and plastic is not biodegradable. The immersion of these idols into the water kills the aquatic plants and animals. Even the water bodies like ponds and rivers which are source of potable water get contaminated resulting into health issues. Therefore it is must to find out an alternative way to celebrate the festival and keep the environment safe.
- 4) **Practice:** We need to adopt is of preparing the idols from clay and for painting organic colours should be used. Biodegradable material like Wood, cloth and paper can be used for decoration. The method of preparing Ganesh idol from clay was demonstrated to the students. Later students also tried their hand preparing the idol from clay.
- 5) **Problems Encountered:** The participant students were unable to mould attractive idols from clay. Some of the students opined that the charm of the festival celebration will be lost if simple idols made from clay are installed.
- 6) **Evidence of Success:** All the participant students decided to celebrate the Ganesh festival with the idol made of clay and to use biodegradable material for decoration. These students also decided to make their neighbours aware about water pollution and the eco-friendly way of Ganesh festival celebration.