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(Affiliated to Rajiv Gandhi University of Health Sciences & Recognised by Dental Council of India)
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# 7.1.3.
# Energy Conservation measures taken by college

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## Energy source:

Generating our own power using solar plant for water heating and campus lighting was the first step towards energy conservation.

- We replaced normal bulbs with LED bulbs to lower energy consumption.
- Keeping cloth bags handy, in car, at work, or in a handbag as a reminder to reduce plastic waste.
- Considered joining a carpool to get to work or use public transportation once a month.
- We used cloth products whenever possible. Used cloth towels instead of paper towels, cloth napkins instead of tissue paper to save some trees.
- Invested in buying green cleaning supplies instead of the harsh chemical products.
- We decided never to throw away used clothing, toys or workable goods and donated them.
- Students were encouraged to use power-strips on all appliances and electronics and turn them off everyday when they leave hostel rooms.
- Unplug cell phone charger everyday while leaving room with phone.
- Turn off the lights and fans when leaving the room even for 15 minutes.
- We have introduced thoughtful gifts, such as planting saplings in someone's name on special occasions, welcoming guests with saplings instead of flowers bouquet.
- Getting rid of junk mails to reduce carbon print.
- Environmental friendly clothing to save energy.
- When sending birthday or holiday cards to family and friends, students are sending all cards electronically to those who have computer access thereby saving some trees.
- We reviewed our campus's recycling rules and made sure that nothings are unnecessarily thrown away.
- We have started creating compost by organic waste in the hostel.
- Considered increasing charitable giving this year by giving some to environmentally friendly causes. Outdoor solar lighting.
- Our Building is planned in such a way that there is surplus natural ventilation and light.

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# 1.SOLAR WATER HEATER

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## 2. SOLAR LED LIGHTS

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# USE OF RENEWABLE ENERGY:

- The institution is utilizing renewable energy all over the campus. The buildings in the campus are fitted with solar water heaters, water harvesting system, Ground water recharging, and our campus also practices waste water management system effectively to keep campus clean, hygienic and free from all sorts of pollution.

- Campus has a renewable energy initiate organization (live green) that encourages and conserves energy and uses of renewable energy. We help to educate and guide students with right information and services needed in order to save energy. We work to help and encourage people (from both urban and rural) to save energy as much as possible and turn to renewable sources like solar panels and organic farming.

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# ENERGY CONSERVATION USING SOLAR:

- Solar street light systems are installed along the roads in the campus For energy conservation.
- LED bulbs were used for newly constructed buildings and some of the incandescent and fluorescent tube lights are replaced with LED bulbs. Majority of the class rooms, laboratories, administrative blocks, computer centers, libraries, seminar halls and staff rooms were provided with LED lighting system which are supposed to be the energy efficient. Now, the power consumption through lighting system about 20 percentage is met by LED bulbs.
- Signages on awareness on energy conservation are made available in all relevant locations.
- Institution organizes awareness programs on energy conservation practices for non-teaching and supporting staff annually.
- Institution organizes outreach activities on energy conservation practices in around villages for the benefit of society.
- Unwanted usage of power is discouraged in Institute.
- Many of the members of the faculty are encouraged to do vehicle pooling to reduce energy consumption and thereby to achieve energy conservation.
- Education on Energy Conservation is part of the contemporary curriculum to create awareness among students on energy conservation. Institute conducts energy audit annually to improve energy conservation.

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# 3. SENSOR BASED ENERGY CONSERVATION

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# 4. USE OF LED LIGHTS BULBS

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# 5. ELECTRIC PANEL BOX

- Electric Panel box has been installed in the college for efficient distrubition of the electricity.
- It is a component of an electricity supply system that divides an electrical power feed into subsidiary circuits while providing a protective fuse or circuit breaker for each circuit in a common enclosure
- Circuit breakers and fuses ensures there are no over-currents during the distribution of power to different circuits

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# 6. ENERGY CONSERVATION MEASURE

- Signages on awareness on energy conservation are made available in all relevant locations in the college campus .

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