

7.1.2 The institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/power efficient equipments

B. Any 3 of the above

The Institution, recognizing its responsibility to inspire future generations towards clean and sustainable energy practices, has taken action by implementing a Solar plant project in December 2019. This project involves utilizing alternative sources of energy to reduce reliance on conventional power sources. The installation of a 60 KW rooftop power plant has allowed the Institution to meet approximately 40% of its total energy consumption. The plant was officially inaugurated in February 2020 and has yielded significant cost savings for the Institution while also promoting an environmentally friendly approach to resource conservation. Furthermore, the surplus electricity generated by the plant is effectively transmitted to the grid of the Kerala State Electricity Board, contributing to the overall energy supply in the region. (<https://uccollege.edu.in/news/inauguration-of-60kv-solar-power-plant/>).

The Institution also promotes the usage of LED bulbs as a means of saving power.

Solar panel



Wheeling to the grid



Sensor-based Energy conservation



LED Bulbs Usage



Biogas Plant

