



# DON BOSCO COLLEGE

Accredited B++ Grade by NAAC with CGPA 2.92

Athiyaman Bypass Road, Sogathur Post, Dharmapuri 636 809

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**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment.**



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### SOLAR ENERGY CONSERVATION

Don Bosco College installed solar energy system to facilitate for alternate sources of energy and it really much consumed by the college during the time less power supply. Solar energy is produced by the sun's light - photovoltaic energy. It offers umpteen advantages that really makes most promising energies such as a.) Renewable, b.)Inexhaustible, c.)Non- polluting, d.)Tries to avoid global warming, e.) Lessens the use of fossil fuels, f.) Reduces energy imports, and g.)Provides for sustainable development. The Ministry of New ad Renewable Energy (MNRE), Government of India has been developing this aim to deploy New and Renewable energy for supplementing the energy requirement of the country.

Solar panels 60 in numbers with the output capacity of 325 watts and 20 KVA. Inspite of this, We use solar lights for the pavements and entrance and so we conserve electricity.

#### PHOTOS





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### SENSOR-BASED ENERGY CONSERVATION

AND

### USE OF LED BULB/POWER EFFICIENT EQUIPMENT

A sensor is a device that receives a stimulus, measured, or any input signal such as from heat, pressure, light, motion and many more, and respond with an electrical signal and this electrical signal then will decide what will be the result of an output, like LED lights helps to brighten the street road and other places in the college. We are working with the third-generation of LEDs. And this latest generation lasts longer, is more durable, performs better and is more energy-efficient than any other source of lighting. In our college we have 24 nos. of street lights which are working on power using solar energy.

### USE OF LED BULB/POWER EFFICIENT EQUIPMENT

**Total Number of LED Bulbs = 32**



## SENSOR-BASED ENERGY CONSERVATION



*S. B*  
Principal

