



# **ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**

(Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai)

Accredited by NAAC

ANGUCHETYPALAYAM, PANRUTI – 607 106.

## **ACADEMIC YEAR**

### **2024 - 2025**



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

## INDEX

1.	Solar Energy
2.	LED Bulbs
3.	LCD Monitors
4.	Power Efficient Equipment - Refrigerator

*R. Arukiadass*  
8.4.25

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## 1. Solar Energy

Solar energy is a renewable source of energy and it is an inexhaustible and affordable form of energy. It can be used to cook food, heat water and generate electricity. Furthermore, electrical energy generated from solar energy can be stored in solar cells.

In order to promote Renewable Energy Consumption in our Institution, a Solar Roof top PV (on grid) has been installed for generating 600 Watt on the roof top. This solar energy generation is completely used for street lights and pathway lights on the campus.

Number of panels	20
Rating of panel	: 600W, 12Volts
Configuration of panels	: 20 Panels, L Structure
Battery	: 12 volts 300AH
Inverter and its capacity	: 1 Inverter, 650W
Daily production	: 70% of 3Units
Average generation (monthly)	: 100 Units
Number of Street Lights:	22, each light 15W

### Solar Panels





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## Street Lights





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## 2. LED Bulbs

St. Anne's College of Engineering and Technology has the following facilities for conserving energy. The CFL fittings of higher wattage are replaced with the 65 numbers of LED fittings of lower wattage with the same luminous level for the Street Lights on the campus to promote the efficient utilization of energy. CRT monitors are upgraded with 376 numbers of LCD Monitors. A refrigerator is a key appliance in every kitchen. As the power consumption of Five Star Rating Refrigerator is low and it is more energy efficient, it has been installed in the Institution.

### LED Bulbs





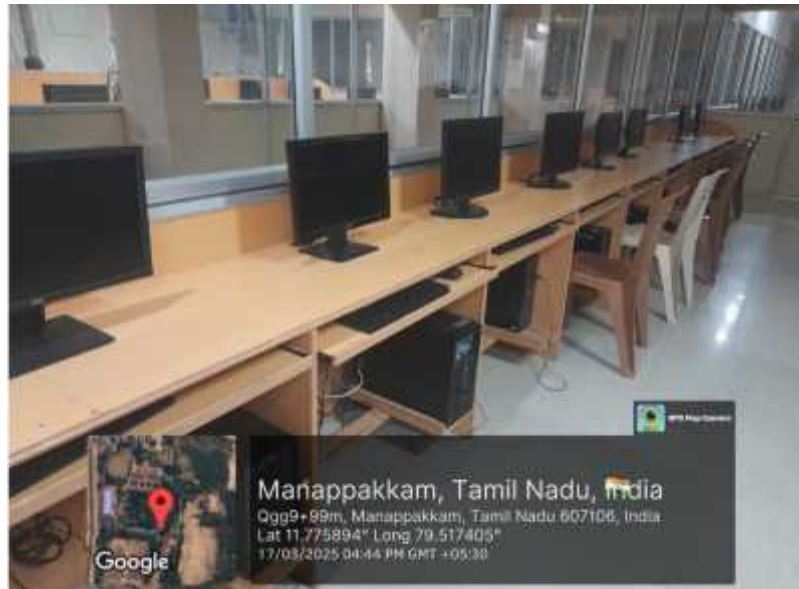
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## 3. LCD Monitors



## 4. Power Efficient Equipment – Refrigerator



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