



## SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF EDUCATION

(An Autonomous College Affiliated to the Tamil Nadu Teachers Education University and  
Re-accredited with A++ Grade by NAAC with CGPA 3.82)

Sri Ramakrishna Vidyalaya Post, Coimbatore - 641 020.

Ph: 8012533915

E-mail: srkvcoen@yahoo.co.in

Website : www.srkvcoe.org

### Energy Conservation

The college is committed to conserving energy and providing its students with a carbon-free, environmentally friendly campus. The College ensures access to affordable, reliable, sustainable, and modern energy for all. Keeping these factors on consideration a specific energy policy is formulated. It aims at reducing energy consumption, assure acceptable indoor air quality and improve energy efficiency on campus through methods that are consistent with a safe, secure, and eco-conscious campus.

#### **Purpose**

The initiatives for the conservation of energy, environment and green campus activities will develop a positive attitude towards nature and will create a challenge among the student teachers for protecting our resources.

#### **Policy Objectives**

1. To make student teachers understand the importance of environment and educate them to create awareness among public.
2. To protect and conserve ecological systems and resources.
3. To enhance the environment protection practices and energy conservation strategies.
4. To improve energy efficiency by use of energy efficient equipment.
5. To initiate energy efficiency measures.

#### **Action Plan**

1. Optimum utilisation of natural light and ventilation.
2. Fixing of less energy consumption Brushless Direct Current Motor (BLDC) ceiling fans.
3. Installation of LED lights, bulbs, and sensor streetlamps.
4. Installation of the solar panels for the alternative use of energy resources.
5. Appointment of security personnel to monitor and maintain the energy consumption.
6. Conducting periodical meetings to carry out its policies and update its activities.
7. Conducting energy conservation awareness programmes



  
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8. Fixing of awareness banners in the college campus to reinforce the importance of energy conservation.
9. Purchasing energy-efficient appliances.
10. College ensures proper maintenance of electrical appliances by providing Annual Maintenance Contract (AMC) scheme.

#### **Other Measures**

1. Avoidance of decorative lights.
2. Usage of LCD/LED monitors in place of CRT monitors.
3. The staff and students are motivated to use laptops, as they are more energy-efficient than desktops.
4. Utilisation of biogas plant in the campus to reduce the consumption of cooking gas in hostel.

The green landscaping with a wide range of trees in the campus releases large amount of water vapour that cools the air and environment. So, it reduces the usage of air-conditioners and conserves energy.



  
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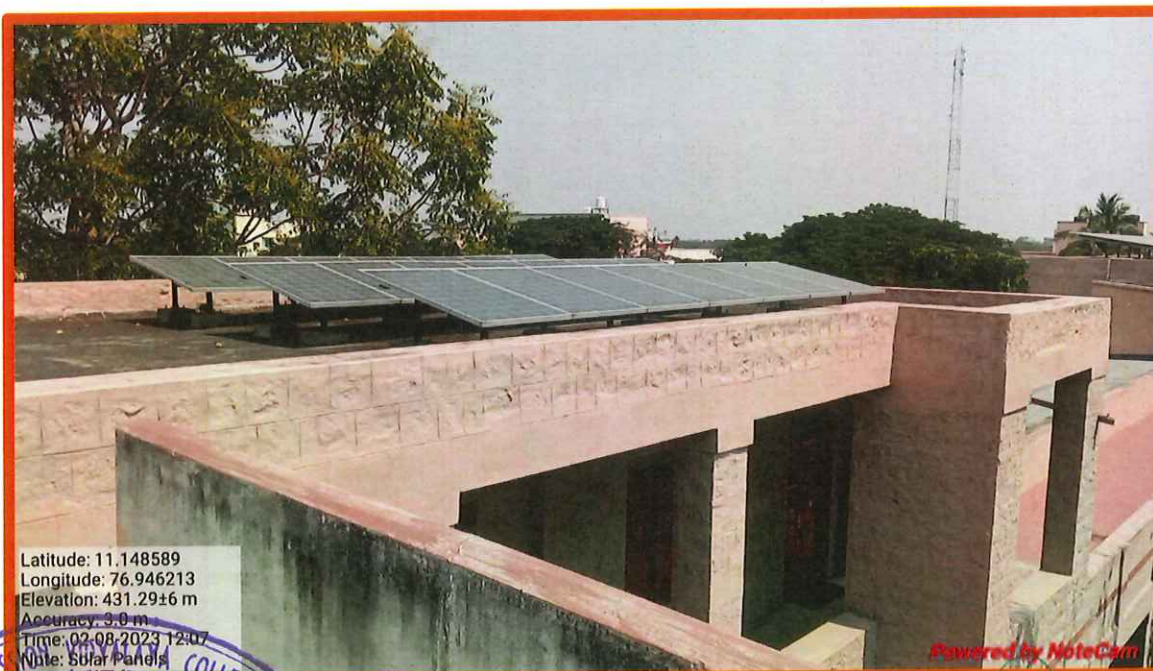
Website : [www.srkvcoe.org](http://www.srkvcoe.org)

## Solar Panel



Latitude: 11.148647  
Longitude: 76.946788  
Elevation: 432.39±8 m  
Accuracy: 2.4 m  
Time: 02-08-2023 12:12  
Note: Solar Panels

Powered by NoteCam



Latitude: 11.148589  
Longitude: 76.946213  
Elevation: 431.29±6 m  
Accuracy: 3.0 m  
Time: 02-08-2023 12:07  
Note: Solar Panels

Powered by NoteCam



  
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## Solar Panel

1. Our institution has installed a 30KW on - grid solar power plant on 23.11.2021.
2. We receive energy from this solar power system minimum 80KWh and maximum 130KWh and on average 100KWh energy per week. In total, we received above 62500Kwh from the date of installation to june 2023. So that, our institution saves Electricity Bill approximately around Rs.4,80,000/-
3. Some other benefits of this on- grid solar power plant to our institution and our society are :
  - **Energy conservation.**
  - **Reduce Carbon and Ensures Green Environment:** This Solar power plant reduces the carbon emission (approximately 15 tons per year) and which in turn helps us to maintain green environment by reducing pollution.
  - **System Safety** - An on-grid inverter comes with a safety system to protect the on-grid solar system from electrical damage.
  - **Regulating and Maximising Power Output:** The on-grid inverter optimises and regulates the power output to deal with fluctuations.
  - **Grid Assistance:** The on-grid solar inverter allows two-way communication with the power grid. This means that the inverter will feed the grid with excess energy and draw energy when necessary.
  - **Tracking Power Production:** The grid-tied solar inverter allows easier tracking of the power production.



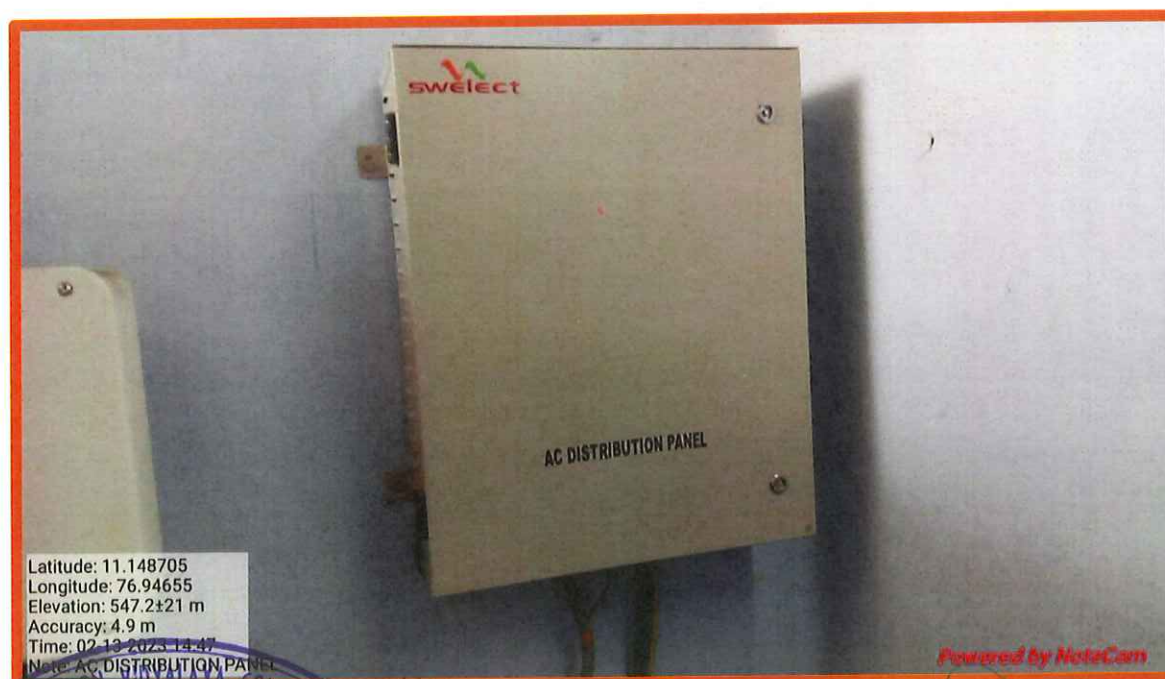
  
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## Solar Panel Inverter



## AC Distribution Panel

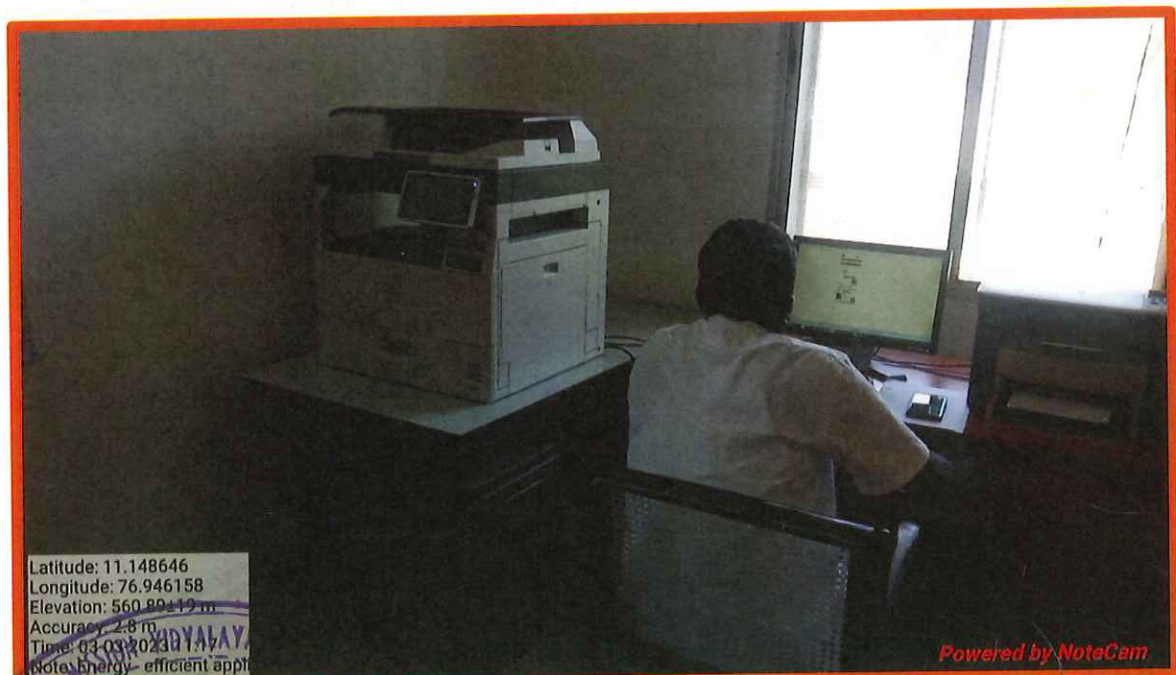



  
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## Energy Efficient Appliances – LED Lights



## Energy Efficient Appliances – Technological Printer




  
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## Energy Efficient Appliances- Less Power Consumption BLDC Ceiling Fans



  
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