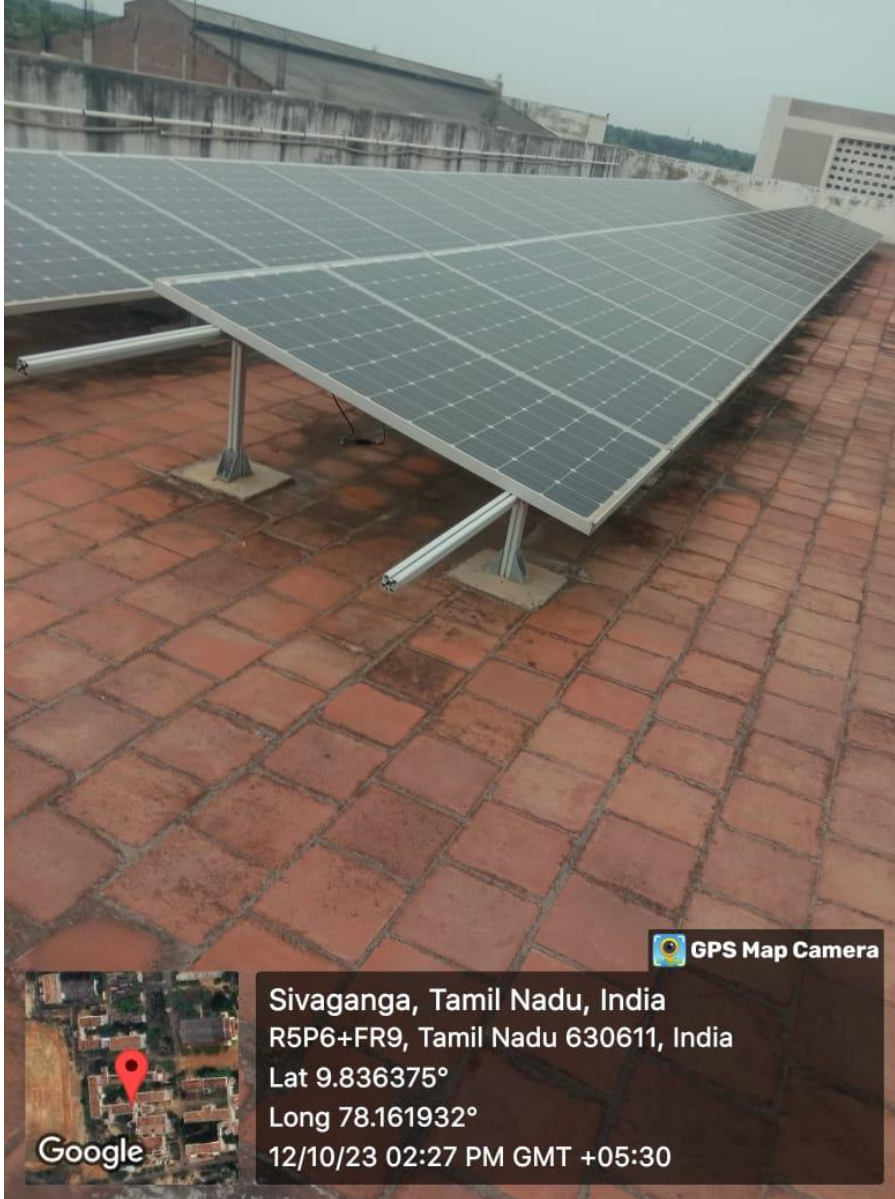


7.1.2 The Institution has facilities for alternate sources of energy and energy conservationThe Institution has facilities for alternate sources of energy and energy conservation

### 1. Solar energy

Percentage of power requirement of the College met by the renewable energy sources

- Power requirement met by renewable energy sources – 15.112 KW
- Total power requirement by the institute – 320 KW
- About 5% of Power utilization through solar energy



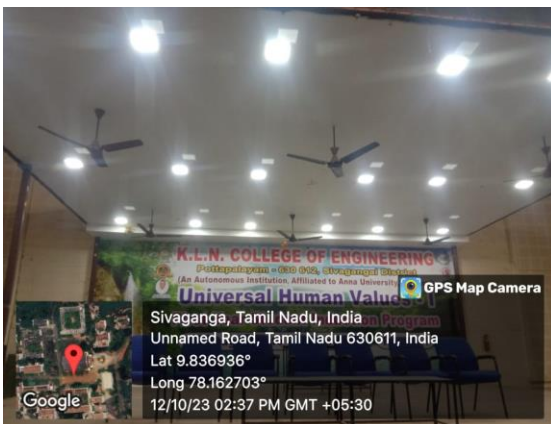
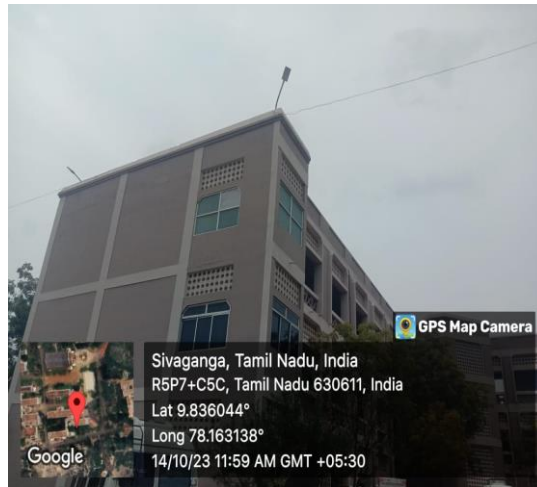
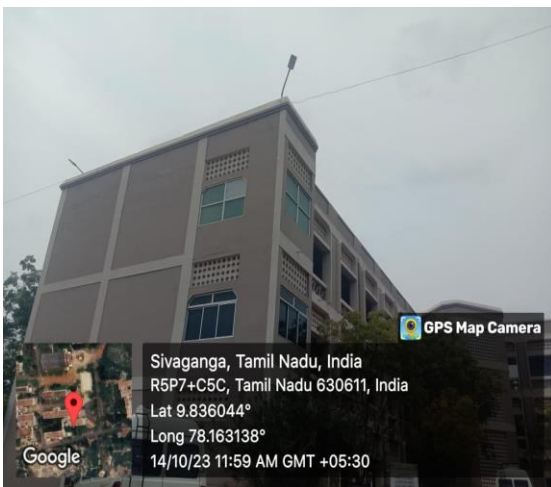
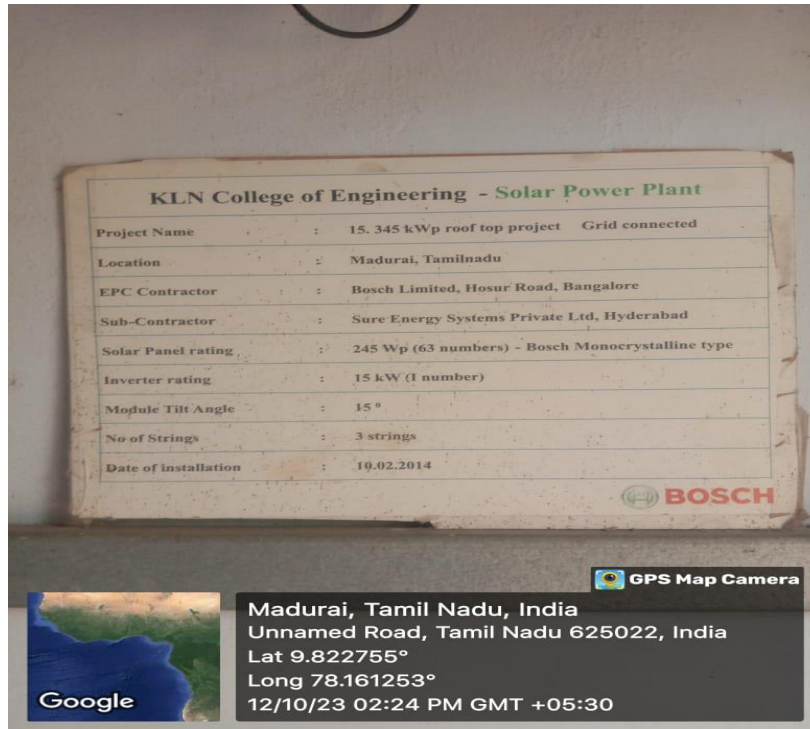


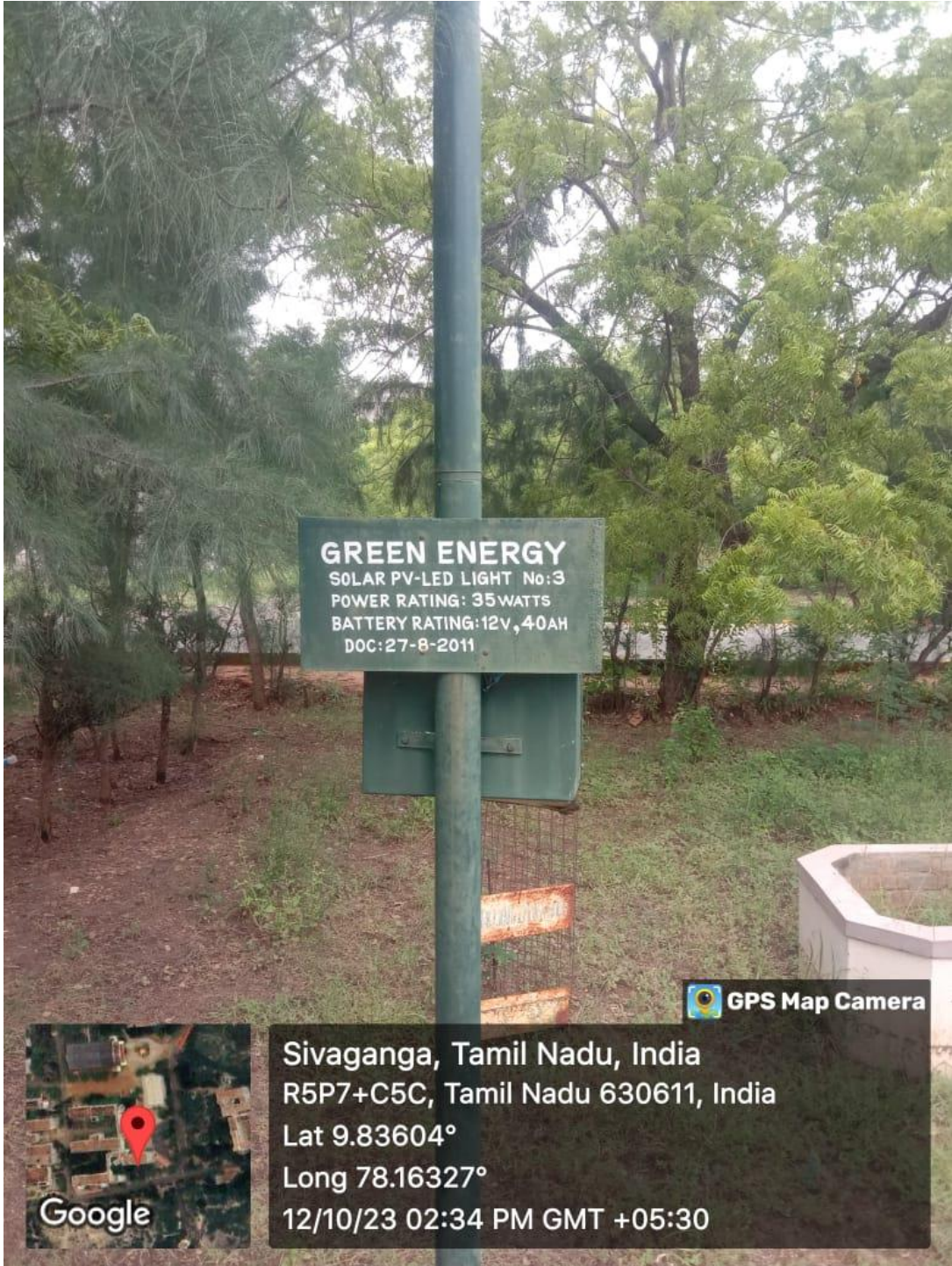
Google

Madurai, Tamil Nadu, India  
Unnamed Road, Tamil Nadu 625022, India  
Lat 9.822755°  
Long 78.161253°  
12/10/23 02:24 PM GMT +05:30


## 2. Use of LED bulbs/ power-efficient equipment

- Total watts of LED Lamps = 1300 watts
- Total number of LED lamps = 145 lamps





**GREEN ENERGY**  
SOLAR PV-LED LIGHT No:3  
POWER RATING: 35WATTS  
BATTERY RATING:12V, 40AH  
DOC: 27-8-2011

 **GPS Map Camera**



Sivaganga, Tamil Nadu, India  
R5P7+C5C, Tamil Nadu 630611, India  
Lat 9.83604°  
Long 78.16327°  
12/10/23 02:34 PM GMT +05:30

## Alternate Energy initiatives:

**ACADEMIC YEAR (2023-2024)**

S.No.	Date, Type of the Event & Participants	Details	Co-ordinators/ Professional Society/ IIPC/IDCA/COs and POs
1.	<p><b>Date:</b> 24.06.2024 to 28.06.2024 Time: 11.00 am to 3.30pm</p> <p><b>Type:</b> <b>FDP Participant</b></p> <p><b>Details:</b> Total:<b>28</b> Faculty: 28 Nos. External: 24Nos. Internal:04Nos.</p>	 <p style="text-align: center;"><b>Five Days Faculty Development Programme on "Power Quality and Energy Audit for Sustainable Development on Energy and Economic Growth"</b></p> <p style="text-align: center;"><b>Resource Person:</b></p> <p>Er.Mallikarjuna Rao,Assistant Vice president, Atandra Energy Pvt. Ltd,Chennai. Er.Ananda Venkatesan,Senior manager-sales,EMMVEE corporation,Bengaluru Er.P.Balapoomi.Executive Engineer,TANGEDCO,Theni Er.A.Ramalingam , AE,TANGEDCO,Madurai Dr.S.Venkatnarayanan,Professor,Lead Energy Auditor and consultant, K.L.N.College of Engineering, Pottapalayam, Dr.P.Loganthurai,Associate Professor, K.L.N.College of Engineering, Pottapalayam Dr.S.Parthasarathy,Professor, K.L.N.College of Engineering, Pottapalayam, Dr.G.Balaji,Professor and Head, Department of Electrical &amp;Electronics Engineering,Paavai Engineering College,Namakkal Dr.M.Jegadeesan,Associate Professor, K.L.N.College of Engineering, Pottapalayam, Er.S.Kannan,ADE,TANGEDCO,Madurai. Er.R..Manikandan,Managing Director,Sakthi Electricals, Trichy.</p>	<p style="text-align: center;"><b>Co-ordinator(s):</b> Dr.S.Venkatanarayanan ,Prof./EEE Dr.S.Venkatesan,Prof./EEE Dr.P.Loganthurai, ASP/EEE Mr.A.Marimuthu,ASP/EE E</p>

<p>2.</p>	<p><b>Date:</b> 26.04.2024 <b>Type:</b> CSR/ Awareness Programme <b>Participant</b> <b>Details:</b> Total :26 Nos. (B.E-EEE-II Year/IV Semester Students)</p>	 <p><b>“Conservation of Electrical Energy, Safety and Importance of Earthings”</b> <b>Resource Person:</b> Er.V.Balasubramani, Assistant Engineer, TANGEDCO,Keeladi Section.</p>	<p><b>Co-ordinator(s):</b> Dr.P.Loganthurai, ASP/EEE <b>Sponsor &amp; Amount:</b> Nil</p>
<p>3.</p>	<p><b>Date:</b> 16.12.2023 <b>Type:</b> Technical Seminar <b>Participant</b> <b>Details:</b> Total: <b>55Nos.</b> [External-Industrialist]</p>	 <p><b>Technical Seminar</b> on “Electrical Power Utility Management for Power Quality, Energy Efficiency and Safety”- Courtyard Marriott Hotel, Madurai <b>Resource Person:</b> Dr.S.Parthasarathy, Prof./EEE, IIPC Co-ordinator, K.L.N.College of Engineering Sivagangai Dt.</p>	<p><b>Co-ordinator(s):</b> Dr.S.Parthasarathy, Prof./EEE <b>Sponsor :</b> FLUKE TECHNOLOGIES Pvt. Ltd, INDIA, Bangalore, ELMACK Engg. Services, Chennai.</p>

<p>4. <b>Date:</b> 03.10.2023 <b>Time:</b> 11.20am to 12.50pm <b>Type:</b> <b>Expert Talk Participant Details:</b> <b>Total:167</b> <b>Roll:187</b> Students: 167 Nos. Percentage: 167/187=89.30% B.E-EEE-II ,III &amp; IV Year/ III ,V &amp; VII Semester (42+71+54=167 Students) [(2022-2026,2021- 2025&amp; 2020-2024Batch]</p>	 <p><b>Expert Talk on “Power Systems Protection and Relaying ”</b> <b>Resource Person:</b> Er.N.P.Prathap, B.E.M.S.(USA) Senior Electrical Engineer, NEI Electrical Power Engineering, USA.</p>	<p><b>Co-ordinator(s):</b> Dr.M.Ganesh Kumari, AP(Sr. Gr.)/EEE Mr. A. Manoj , AP/EEE <b>Organizing Student Chapter:</b> <b>IEEE &amp; ISTE</b> <b>Sponsor &amp; Amount :</b> <b>IIPC &amp; Rs.1500/-</b></p>
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