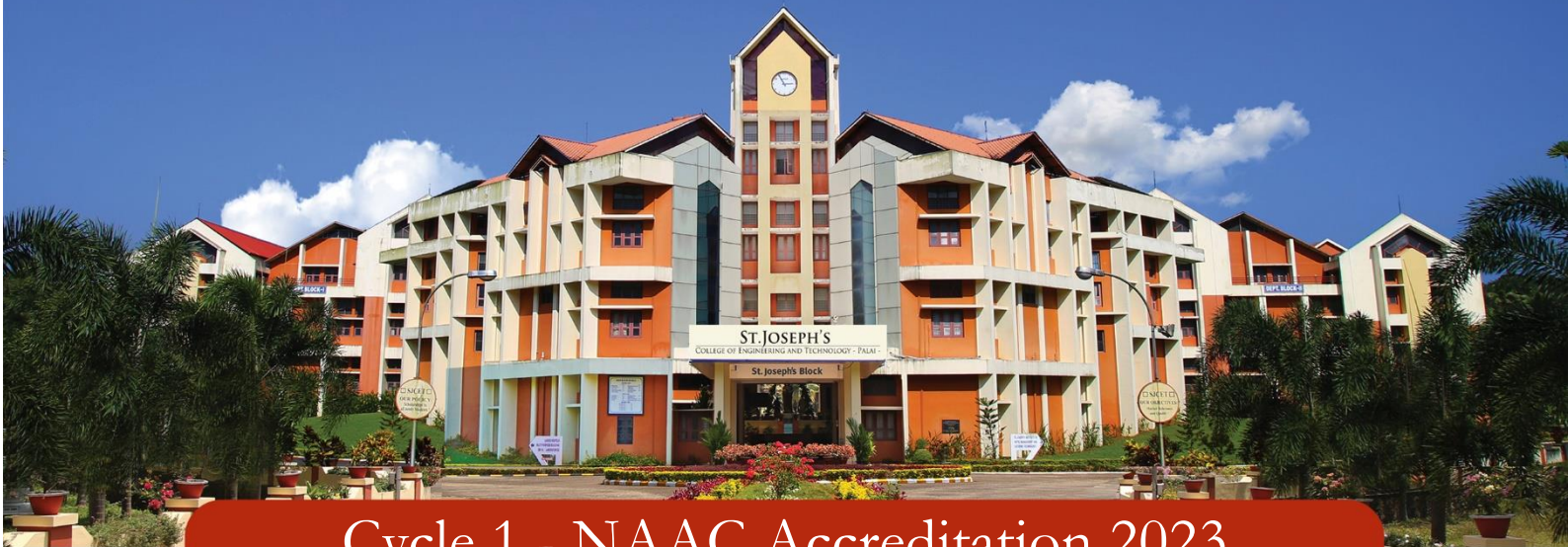




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Criterion – 7.3.1

Alternate Sources of Energy

Submitted to:



National Assessment and Accreditation Council



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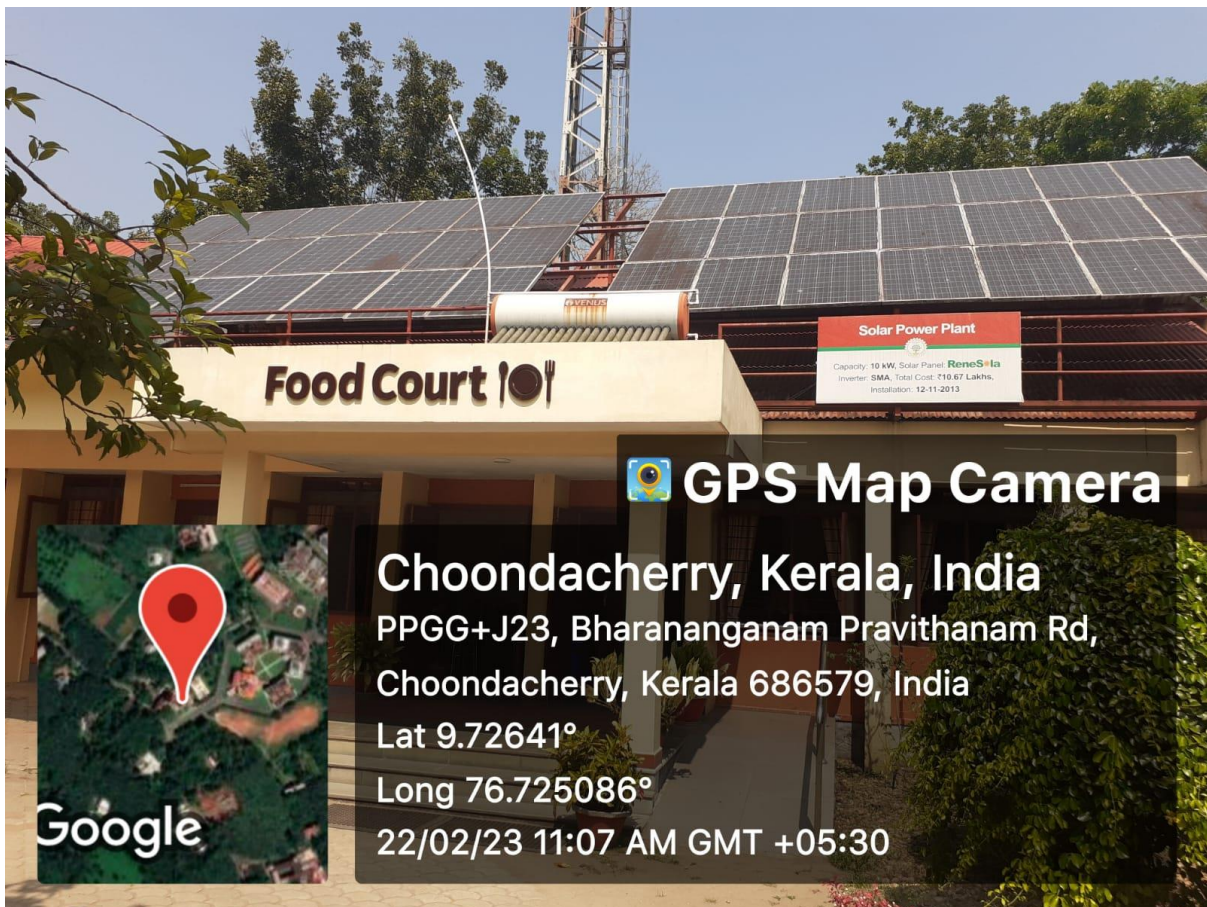
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ALTERNATIVE SOURCES OF ENERGY

1. Solar Energy (Total 210 kW capacity)

a) Roof Top 10kW Solar Power Plant (at SJ CET Food Court)





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- b) **Roof Top 100kW Solar Power Plant** (Distributed on 3 buildings-30 kW at Newton Block, 50 kW at Electronics Lab Block and 20 kW at Mother Theresa Block)

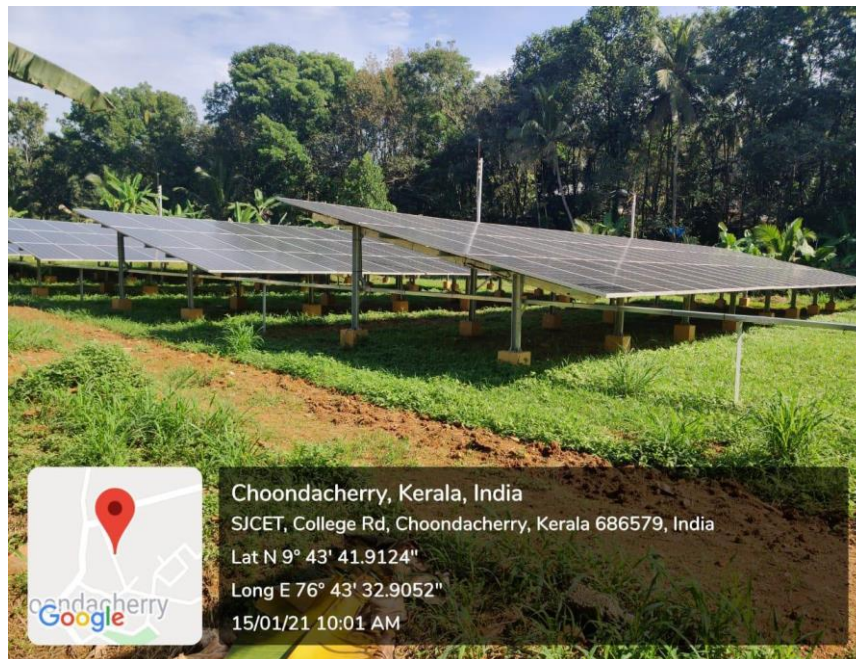
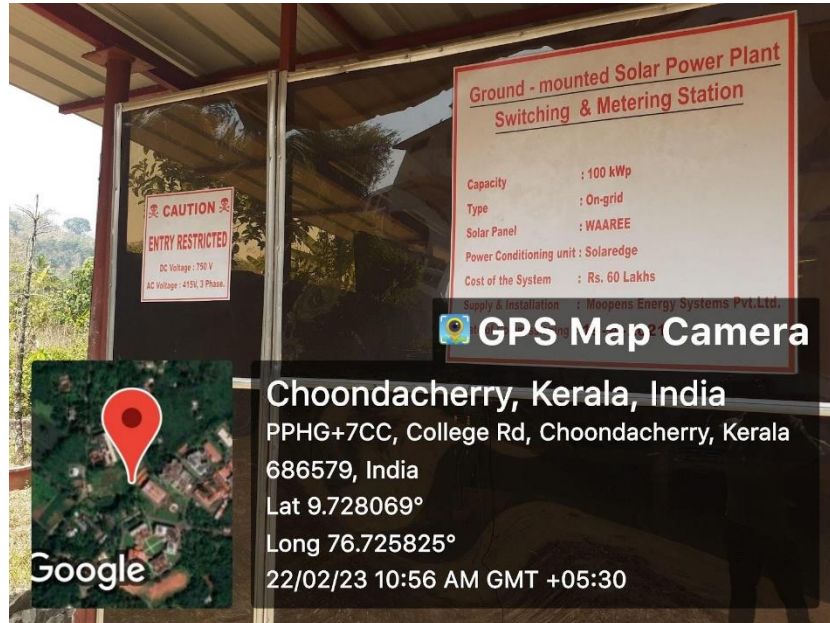




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c) Ground Mount 100kW Solar Power Plant (Near Einstein Hall)





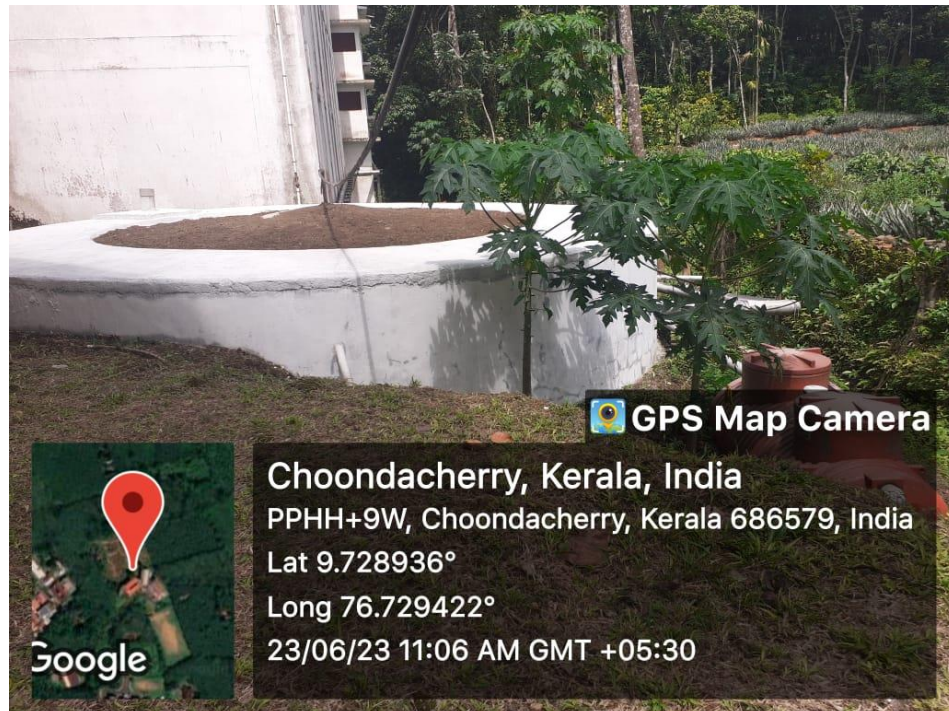
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2. Biogas Plant

1. Plant 1 – St. Alphonsa Hostel





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2. Plant 2 - St. Thomas Hostel

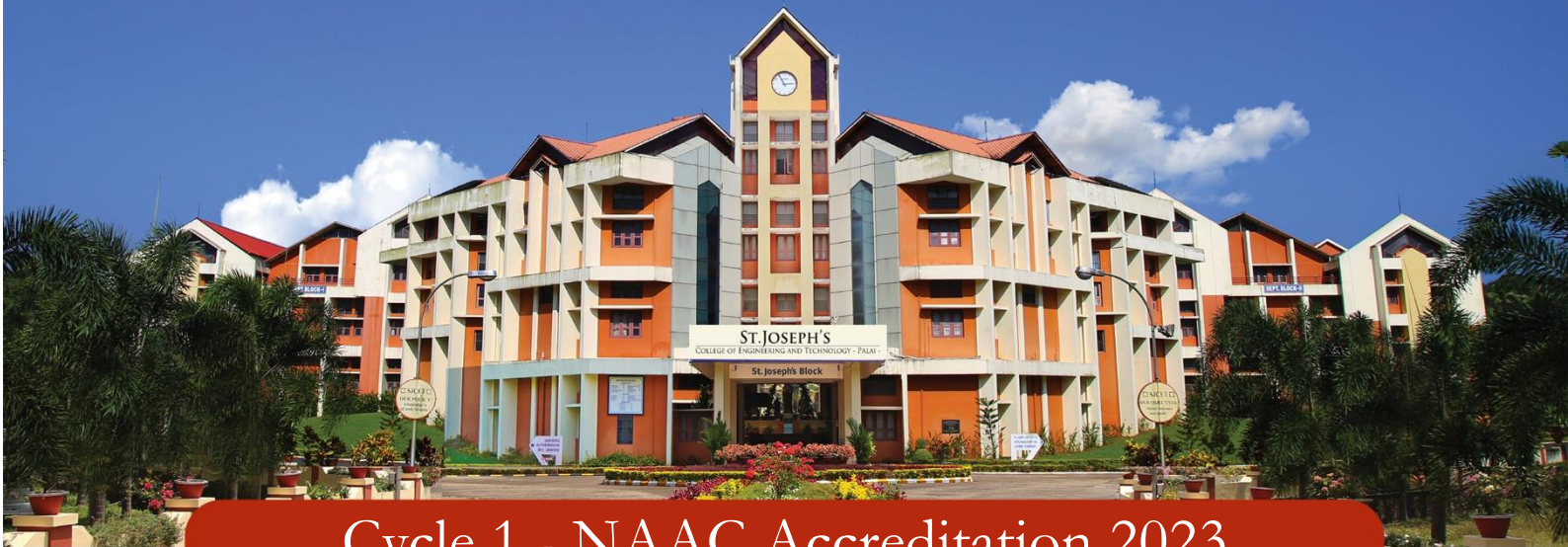




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Energy Conservation Measures

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ENERGY CONSERVATION MEASURES

1. Installation of Solar Plants- Savings In Electricity Bills

Average yearly savings after installation of 200 kw solar plant, in rupees- 13047 kWh



2. Led Bulbs Usage Inside the Building

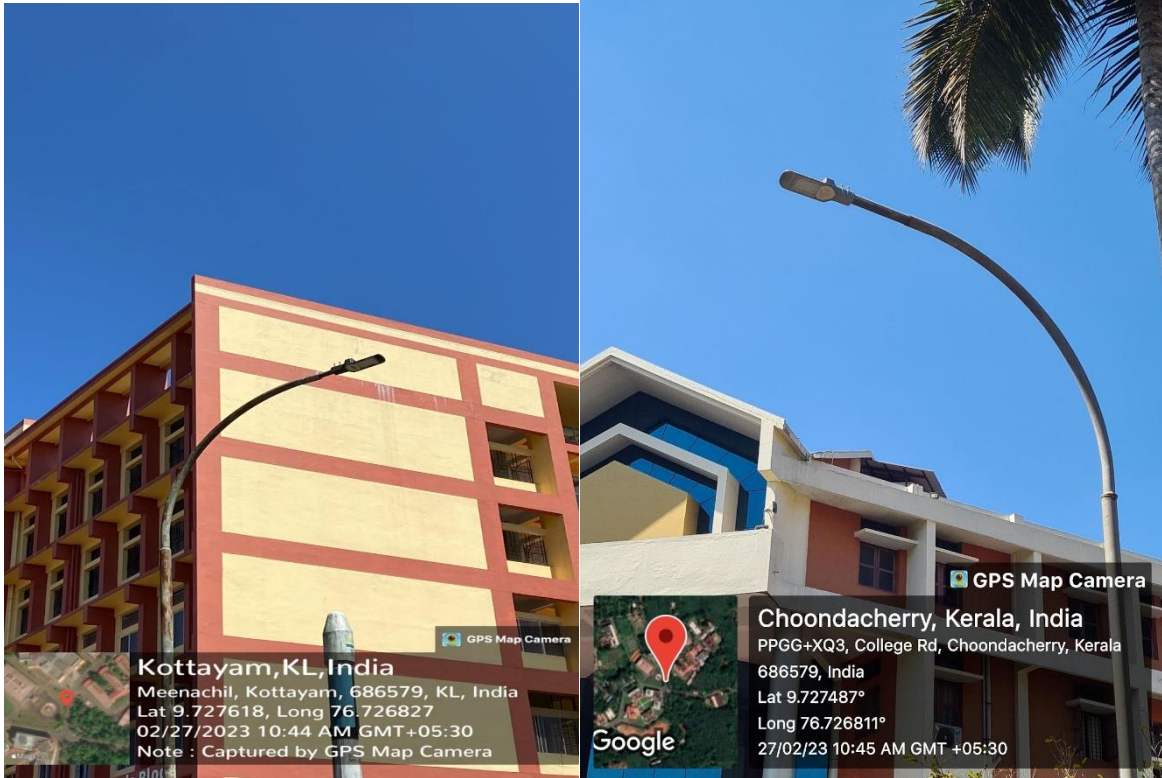
Apart from the current LED bulbs used, the bulbs currently used inside the buildings are being replaced with LED bulbs in due course when a replacement is required due to aging and other factors.





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3. Solar wheeling to the grid

The wheeling to the grid is in progress at SJCET.

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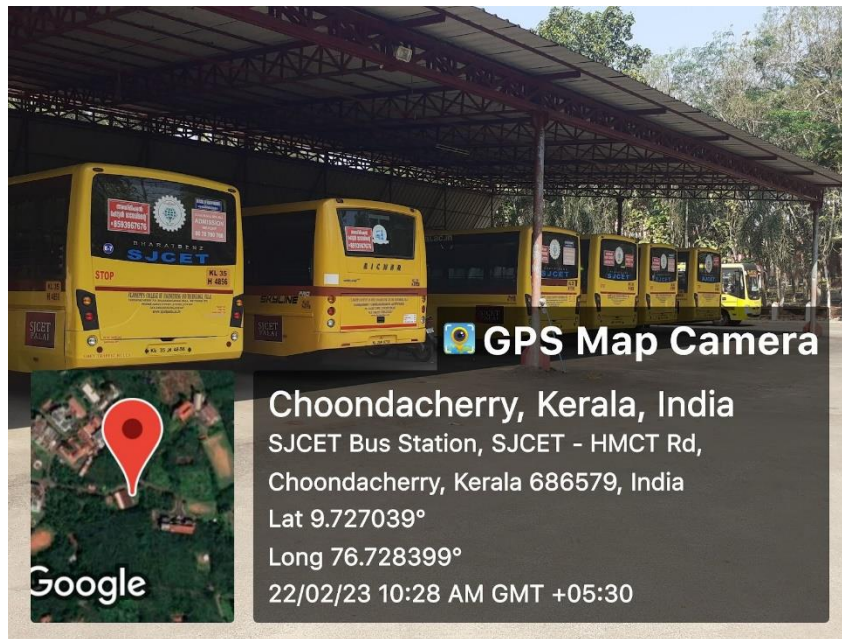


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4. Diesel Savings due to Replacement of Old College Buses

The old college buses have been replaced with new and energy efficient buses in order to save fuel.



5. Steam Cooking Facilities

Steam cooking facilities are provided in the St. Thomas hostel for saving energy and also for serving healthy food.

