



# SRI BHARATHI

ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)  
Kaikkurichi, Pudukkottai -622 303

[www.sbec.edu.in](http://www.sbec.edu.in)

## NAAC - AQAR DOCUMENTS



Quality Indicator Frame Work

**Criterion – 7**

**Institutional Values and Best Practices**

*Submitted by*

**IQAC**

**Internal Quality Assurance Cell**

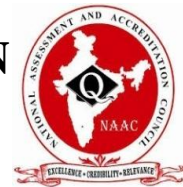
**Sri Bharathi Engineering College for Women**



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

Sl. No.	Name of the facilities	Geo-tagged photographs of the facilities	Page Number
<b>ACADEMIC YEAR(2023-2024)</b>			
1.	Alternate sources of energy and energy conservation measures	Solar Energy	3
2.		Wheeling to the Grid	8
3.		Sensor based energy conservation	9
4.		Use of LED bulbs/ power efficient equipment	10



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## SOLAR PANEL - 1 KW

Solar panels are a renewable energy sources that have been installed on our college campus to reduce carbon footprint and save energy costs. Solar panels can also help colleges achieve their sustainability goals and demonstrate their commitment to environmental stewardship.



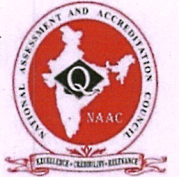
  
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## DIESEL GENERATOR – 1 (63 KVA)

Diesel generators are used in our college campus to provide the continuity of operations during the power outages and emergency lighting in case of emergencies.



## DIESEL GENERATOR – 2 (30 KVA)



*[Handwritten Signature]*

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## UNINTERRUPTED POWER SUPPLY – 25 KVA

### (MAIN BUILDING – COMPUTER LAB. 1)

UPS systems provide continuous power backup during outages, ensuring critical operations like classroom technology, research equipment, and systems remain uninterrupted.



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## UNITTERUPTED POWER SUPPLY – 10 KVA

(MAIN BUILDING – COMPUTER LAB. III & LANGUAGE LAB.)



## UNITTERUPTED POWER SUPPLY – 10 KVA

( MAIN BUILDING – EMBEDDED LAB. )



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## UNINTERRUPTED POWER SUPPLY – 5 KVA

(MAIN BUILDING - OFFICE )



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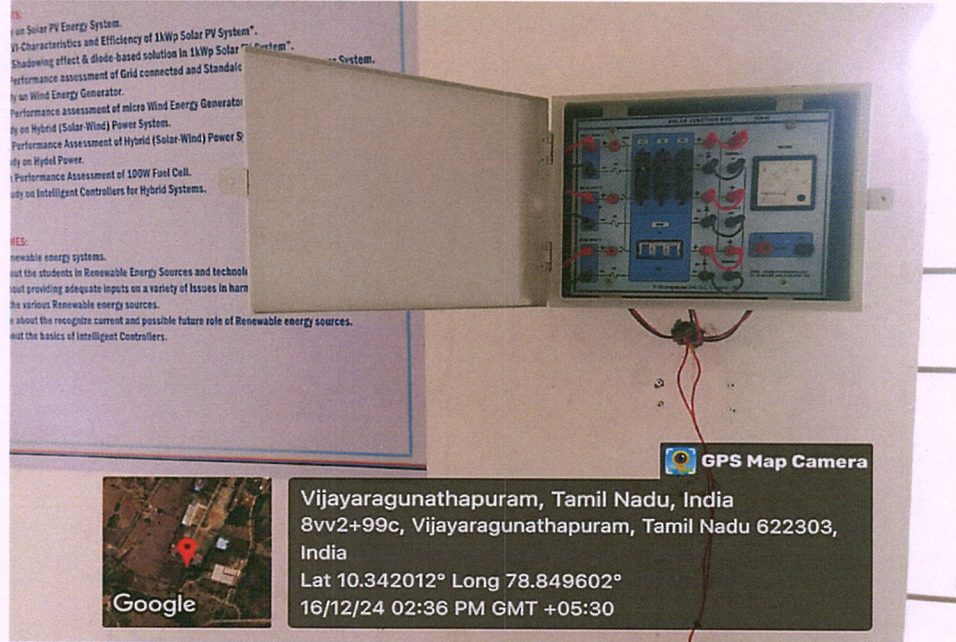
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## WHEELING TO THE GRID



*(Handwritten Signature)*

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## SENSOR BASED ENERGY CONSERVATION



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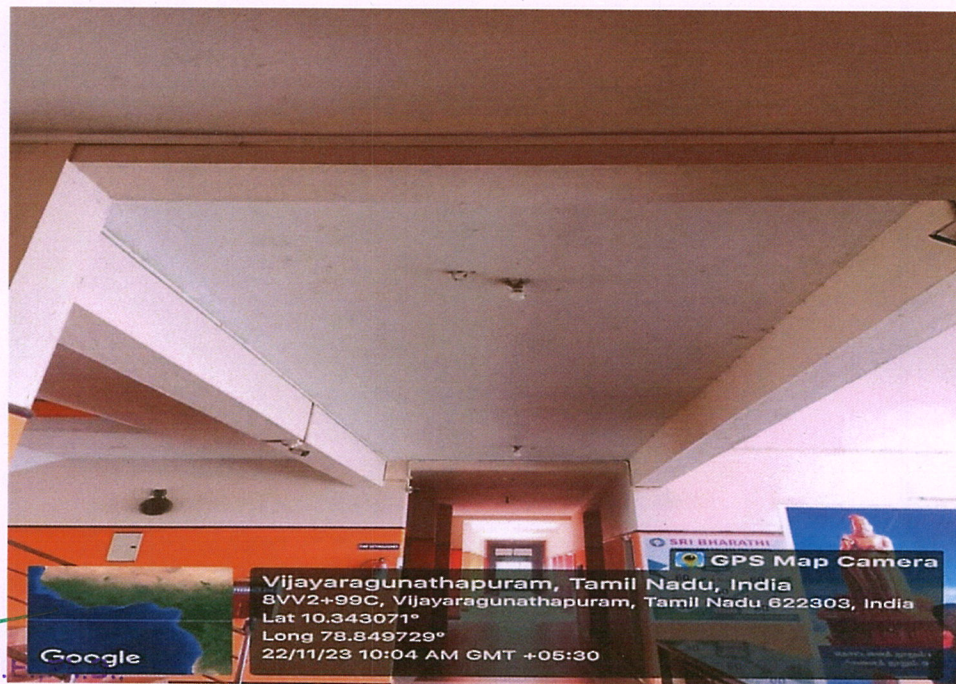
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## ENERGY CONSERVATION – LED LAMPS

In our main college LED lamps are used and some of the images are shown below.



*(Handwritten Signature)*  
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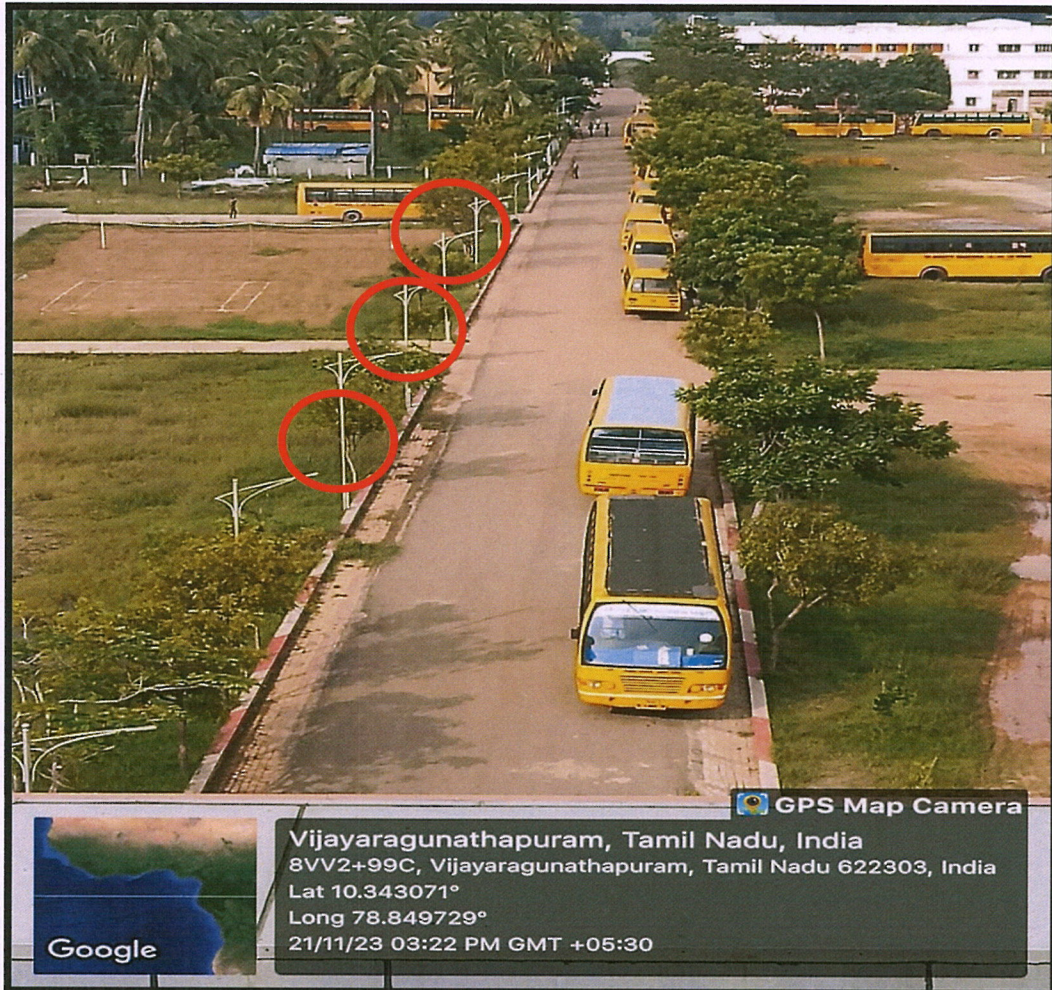
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## ENERGY CONSERVATION – CAMPUS LED LIGHTING



  
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## ENERGY CONSERVATION – BATTERY AUTOS RICKSHAWS

Battery autos rickshaws has reduced carbon foot print, improved air quality on college campus and cost savings.



  
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