

# J.S.S. BANASHANKARI ARTS, COMMERCE AND SHANTIKUMAR GUBBI SCIENCE COLLEGE, VIDYAGIRI, DHARWAD

Affiliated to Karnatak University, Dharwad

Accredited with 'A' Grade in last three cycles



## Fourth Cycle NAAC Accreditation SELF STUDY REPORT (SSR)

### CRITERION - VII

#### 7.1.2 (Q<sub>n</sub>M)

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



Submitted to  
**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL, BENGALURU**



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## Solar Energy

ಜನತಾ ಶಿಕ್ಷಣ ಸಮಿತಿಯ

ಬನಶಂಕರಿ ಕಲಾ, ವಾಣಿಜ್ಯ ಮತ್ತು  
ಶಾಂತಿಕುಮಾರ ಗುಬ್ಬಿ ವಿಜ್ಞಾನ ಮಹಾವಿದ್ಯಾಲಯ  
ವಿದ್ಯಾಗಿರಿ, ಧಾರವಾಡ-೫೮೦ ೦೦೪.

JSS



Janata Shikshana Samiti's

**BANASHANKARI ARTS, COMMERCE AND  
SHANTIKUMAR GUBBI SCIENCE COLLEGE,  
Vidyagiri, Dharwad-580 004.**

Ph.: (0836) 2468478, Fax : (0836) 2462200  
E-mail : principaljsscollegedwd@gmail.com

ನ್ಯಾಕ್ ಸಂಸ್ಥೆಯಿಂದ 'A' ಗ್ರೇಡ್ ಪುನರ್‌ಮಾನ್ಯತೆ  
ಯು.ಜಿ.ಸಿ. ಯಿಂದ 'CPE' ಮಾನ್ಯತೆ

Reaccredited at the 'A' level by NAAC  
"College with Potential for Excellence" recognition by UGC

Ref. No. JSSCD/

Date : 24.11.2021

### Self Declaration

### Installation of Solar panels and usage of Eco-Friendly LED bulbs in the Campus

Institution has a regular practice of using LED bulbs in place of old tungsten bulbs. Laboratory museums in departments of Botany and Zoology and all the auditoriums are installed with LED bulbs since 2016. They are well maintained and are used whenever necessary. The tungsten bulbs are replaced by eco-friendly LED bulbs to save electricity. Solar street lights and solar water heaters (solar panels) are installed as alternate source of energy to save electricity.

*J. Mandit*

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Shantikumar Gubbi Science College,  
DHARWAD-580 004.







**7.1.2-THE INSTITUTION HAS FACILITIES FOR ALTERNATE SOURCES OF ENERGY AND ENERGY CONSERVATION MEASURES:**

**Solar Energy**

Sl. No.	Name of natural resources	Total number
1	Solar water heater panels installed	04x 300= 1200 LPD
2	Solar street lights	05

**Energy Conservation:** Solar panels are installed in the campus as alternate source of energy and to save electricity.

- Solar panels are installed to supply hot water to all hostel students.
- Solar street lights are installed in the campus.



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DHARWAD-580 004



## Supreme Solar Water Heater Bill



near vidyaranya high school  
Dharwad, karnatak, 580001  
9845709478  
sadanandsubedar@gmail.com  
www.sambruddenterprises.in  
29CPGPS2090H1Z1

611



**Billing Address**  
The Principal  
J S S Banashankari Arts. commerce and S K  
Gubbi Science college vidyagiri  
Dharwad

**Shipping Address**  
The Principal

**Invoice No.:** INV1796  
**Invoice Date:** 25/03/2021  
**Due Date:** 17/04/2021

Note	Quantity	Price	Discount	Amount
supreme Solar water heater 300 lpd SS	4	Rs 44,200.00	0.00	Rs 176,800.00
			<b>Subtotal</b>	Rs 176,800.00
			<b>CGST (2.5%)</b>	Rs 4,420.00
			<b>SGST (2.5%)</b>	Rs 4,420.00
			<b>Total</b>	Rs 185,640.00
			<b>Paid Amount</b>	Rs 0.00
			<b>Balance Due</b>	<b>Rs 185,640.00</b>

**Pay Now**  
with PayPal

### Comment / Payment Terms

payment within 15 days after 12% will charge on the total amount warranty and guranteee applicable as per company rules

*Solar Heater Heater  
JSS college  
Dharwad  
25/3/21*

*N  
26/3/21*

For SAMBRUDD ENTERPRISES  
Proprietor

*Mandite*



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JSS BANASHANKARI ARTS COMMERCE AND SHANTI KUMAR GUBBI SCIENCE COLLEGE, DHARWAD

INVOICE



SAMSON SOLAR ENERGY

(H.O):#02, K.E.Board Complex, Navalagund Road, Shivaji Circle Dharwad-580008

(B.O):38th Cross, 22nd Main, Jayanagar 4th T-block, BENGALURU-5600041

Mob: 9916167190

Invoice Number : 167  
GSTIN : 29BCXPP1845E121

Date : 25/03/2021

Buyer's Name & Address :

M/S. THE PRINCIPLE, JSS BANASHANKARI ARTS & COMMERCE, S. K. Gubbi, science collage  
VIDYAGIRI,  
DHARWAD-580001,  
KARNATAKA

S.N	PARTICULARS	HSN Number	Qty	Rate	Taxable Amt	GST %	CGST Amt	SGST Amt	Net Amount
	SOLAR STREET LIGHTS 30WT WITH POLE	8405	5	27145.00	135725.00	5.00	3393.13	3393.13	142511.25
<b>Total</b>			<b>5</b>		<b>135725.00</b>		<b>3393.13</b>	<b>3393.13</b>	<b>142511.25</b>
<b>Total Amount</b>								<b>142511.00</b>	
Rupees: ONE LAKHS FOURTY TWO THOUSAND FIVE HUNDRED ELEVEN Only									
E & O/E					GSTIN :				

Customer Signature

Dispatched  
Vehicle No:

Bank Details:

Name: Samson Solar Energy  
Bank Name: Punjab National Bank  
Current A/C No: 22481012000431  
IFSC Code: PUNB0224810  
Branch: Gandhi Nagar Dharwad ✓  
PAN No: BCXPP1845E



Authorized Signatory  
Samson Solar Energy



SAMSON SOLAR ENERGY  
#02, K. E. Board Complex  
Navalgund Road, Shivaji Circle  
Dharwad - 580 001  
GSTIN - 29BCXPP1845E121

Terms & Conditions:

1. Goods once sold will not be taken back.
2. The guaranty comes into effect from the date of installation.
3. Payment should be made by cash or cheque/DD, in the name of SAMSON SOLAR ENERGY.
4. Please return a copy of invoice duly acknowledging receipt of all items with seal.
5. In case of visual damage, please do not accept the consignment from transporter.

JSS Dargay college  
30/3/21

M/ 30/3/21

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Shantikumar Gubbi Science College,  
DHARWAD-580 001



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Shantikumar Gubbi Science College,  
DHARWAD-580 001





## Supreme Solar Projects Pvt. Ltd.

(Approved by MNRE Govt. of India)

PLOT No. 287, Sy. No. 92, 93, 94 & 95, Veerapura Village, Kusabdi Hobli,  
Doddaballepura Industrial Area, Bangalore - 561 203. Ph: 080 2950 1654 E-mail: info@supremesolar.in

Manufacturers of Solar Water Heater

### INSTALLATION CERTIFICATE

This is to Certify that Supreme Solar Projects Pvt. Ltd. Approved by MNRE  
Govt. of India has Installed 1200 LPD Solar  
Water Heating system on dated 25/3/21

#### USER NAME AND ADDRESS :

The Principal  
J.S.S. Banashankari Arts, Commerce,  
& S.K. Gubbi Science College  
Vidyagiri Dharwad

Place : Dharwad,  
Date : 25/3/21

For Supreme Solar Projects Pvt. Ltd.

N/25/3/21  
Authorised Signatory



N/25/3/21

Shantikumar  
PRINCIPAL  
J.S.S. Banashankari Arts, Commerce &  
Shantikumar Gubbi Science College,  
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J.S.S. BANASHANKARI ARTS COMMERCE AND SHANTI KUMAR GUBBI SCIENCE COLLEGE, DHARWAD

SOLAR WATER HEATER IN THE GIRLS HOSTEL CAMPUS



VIDYAGIRI  
ವಿದ್ಯಾಗಿರಿ

JSS College Sports Ground

JATAGIRI  
ಜಾತಗಿರಿ

DAVANAGERE  
ದವಾನಗೆರೆ

Chakravarthi Nagar Park  
ಚಕ್ರವರ್ತಿ ನಗರ ಪಾರ್ಕ್

Google

2nd Cross Rd, PB Rd, Saltur Colony, Rajetagir, Vidyagiri, Dharwad, Karnataka 580004, India

Dharwad  
Karnataka  
India

2021-04-16(Fri) 07:17(pm)

33°C  
91°F



*Mandit*  
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**Sensor-based energy conservation**



#### 4. SENSOR-BASED ENERGY CONSERVATION

##### The sensor-based energy conservation- Solar Street Lights in The Campus



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**Use of LED bulbs/  
power efficient equipment**

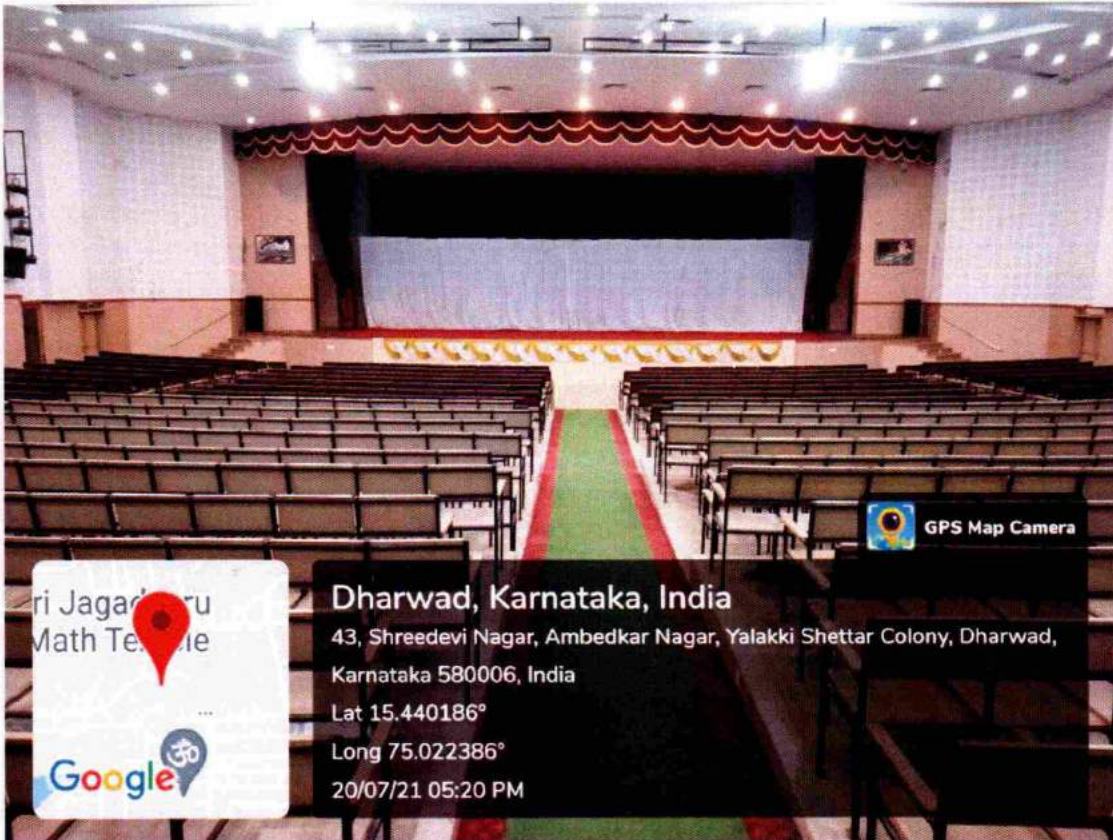




1	LED Lights	425
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Minimal consumption of energy is the saving aspect of energy conservation in the campus. The notices near the switch boards prevent wastage of energy. The use of CFL bulbs and LED lamps (in each departments, museum, resting rooms and staffrooms) instead of tungsten and fluorescent lamps, team and collaborative work in the same place for conducting college level meetings and functions (Auditoriums).

### LED LIGHT USED IN SANNIDI AUDITORIUM



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LED LIGHT IN FOLKLORE MUSEUM

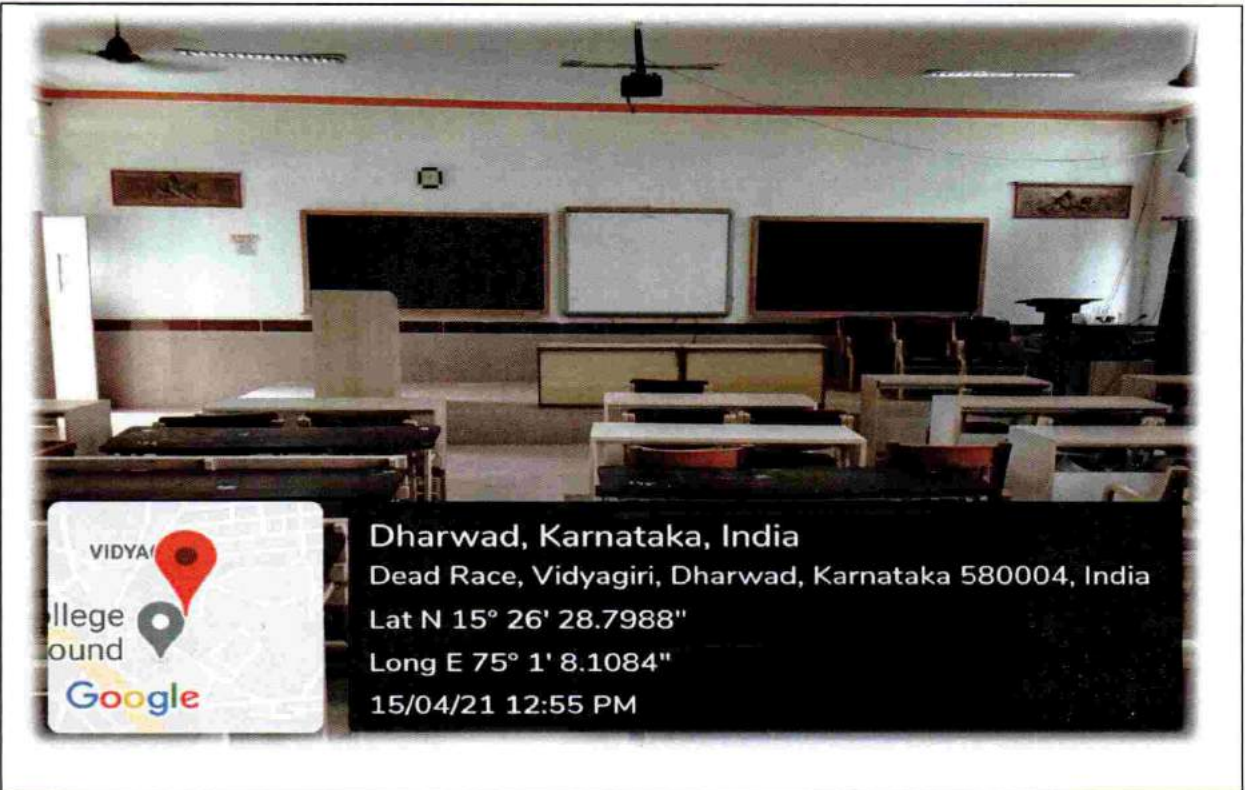


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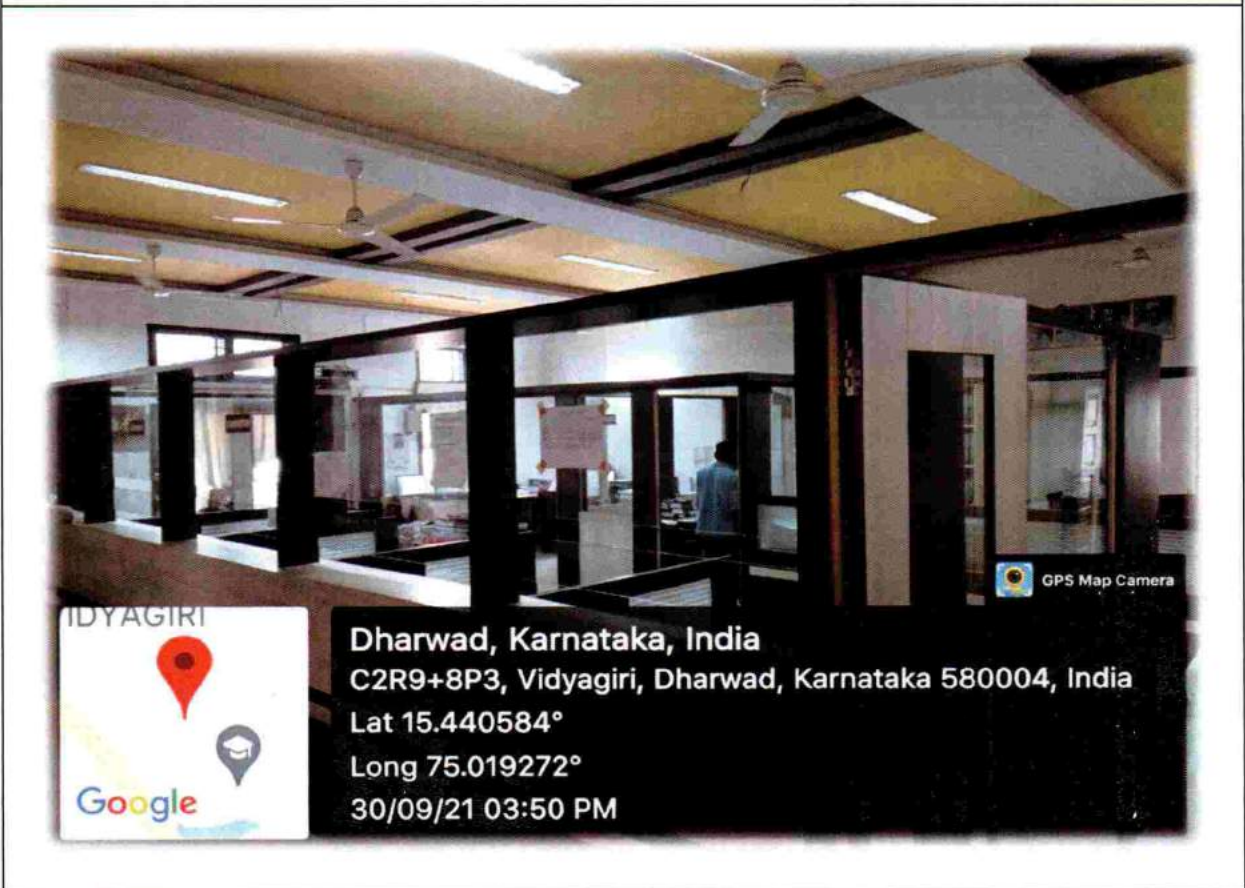




**JSS BANASHANKARI ARTS COMMERCE AND SHANTIKUMAR GUBBI SCIENCE COLLEGE, DHARWAD**



Dharwad, Karnataka, India  
Dead Race, Vidyagiri, Dharwad, Karnataka 580004, India  
Lat N 15° 26' 28.7988"  
Long E 75° 1' 8.1084"  
15/04/21 12:55 PM



Dharwad, Karnataka, India  
C2R9+8P3, Vidyagiri, Dharwad, Karnataka 580004, India  
Lat 15.440584°  
Long 75.019272°  
30/09/21 03:50 PM

**LED ENABLED CLASSROOM AND COLLEGE OFFICE**

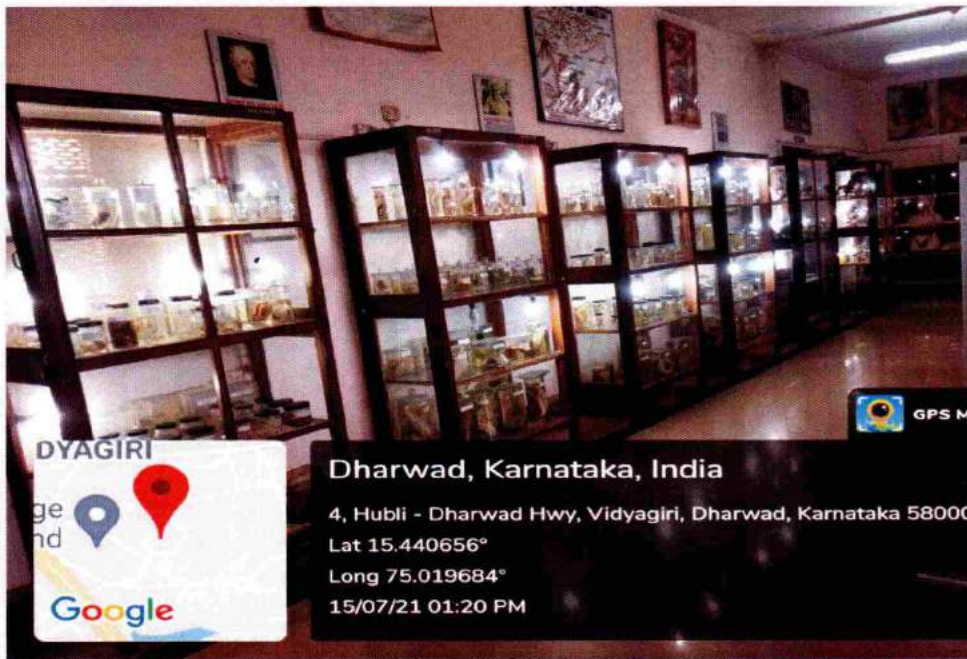
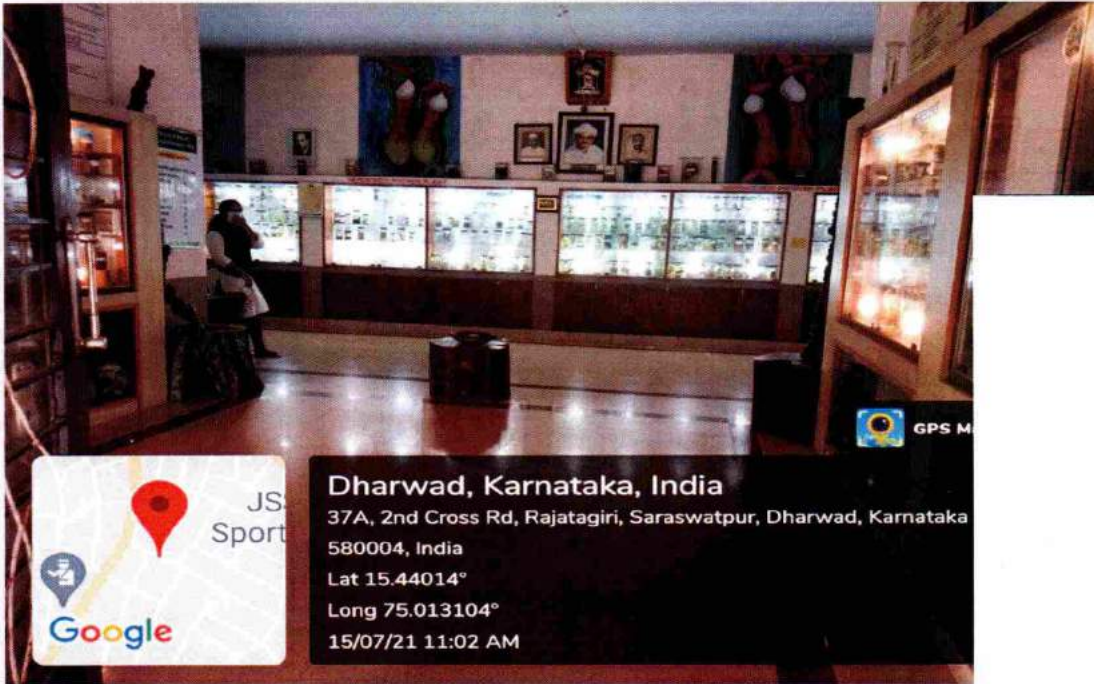


*[Signature]*  
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### LED LIGHT IN BOATNY AND ZOOLOGY MUSEUM



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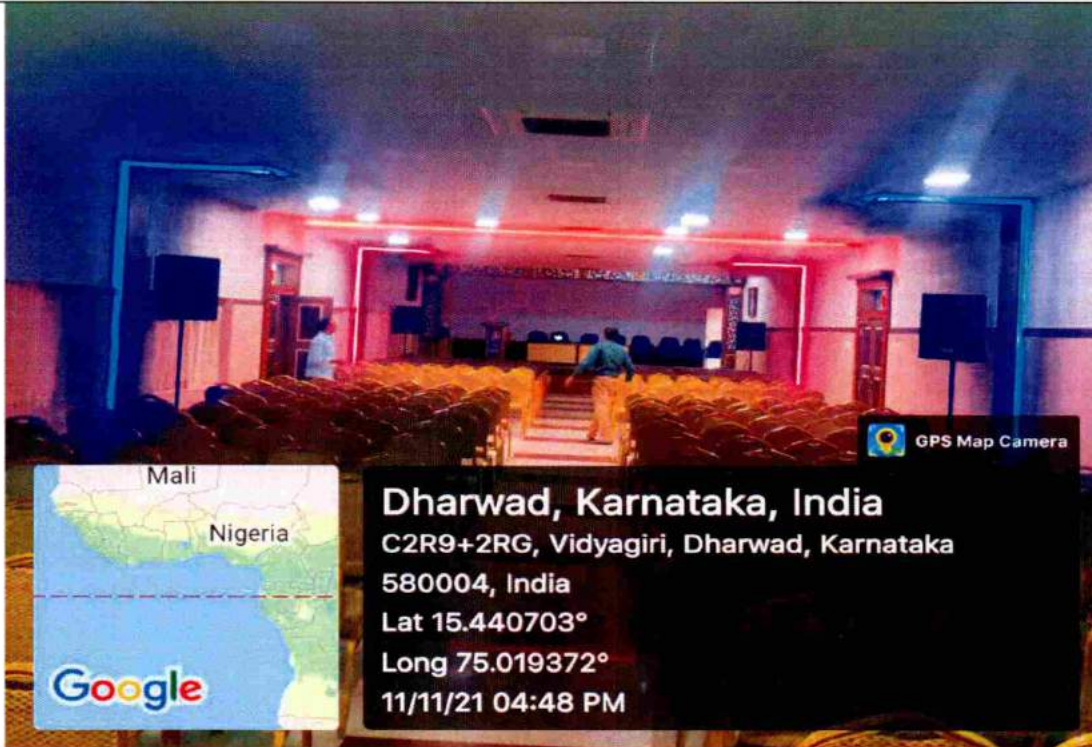
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**LED LIGHTS IN DRH HALL**



**LED LIGHTS IN UTSAV HALL**



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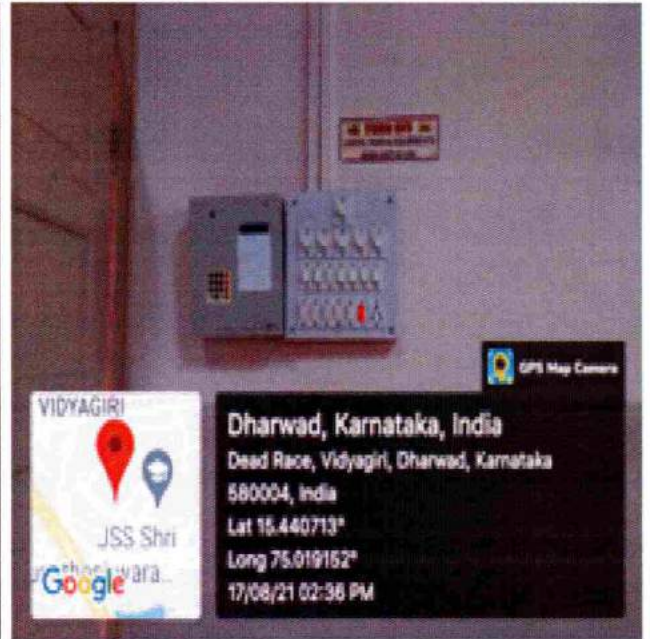
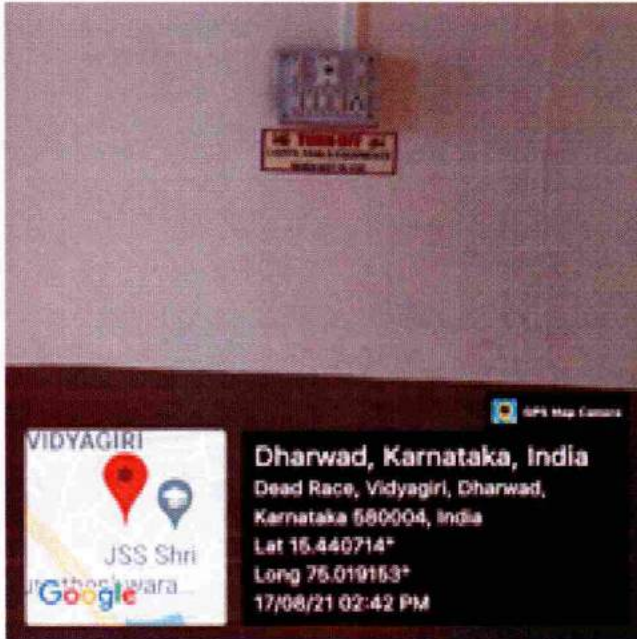




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Students are well sensitized so that they switch off lights and fans when not required. Air conditioners are used only at essential places.

- The management has appointed an electrical maintenance technician to look after the maintenance of switches, wiring, electrical equipments, lights and fans etc.
- Periodical check up of these electrical items is done to avoid loss of energy.



**TECHNICIAN FOR ELECTRICAL MAINTENANCE**



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