



**MAHENDRA ARTS & SCIENCE COLLEGE**  
**(Autonomous)**

**Affiliated to Periyar University, Salem**  
**Accredited by NAAC with 'A' Grade & Recognized u/s 2(f) and 12(B) of the UGC Act 1956**  
**Kalippatti – 637501, Namakkal District, Tamil Nadu**

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

- 1. Solar Energy**
- 2. Bio – Gas Plant**
- 3. Sensor – based energy conservation**
- 4. Use of LED bulbs / Power Efficient Equipment**

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**MAHENDRA ARTS & SCIENCE COLLEGE**  
**(Autonomous)**  
Kalippatti (PO) - 637 501, Namakkal (DT)



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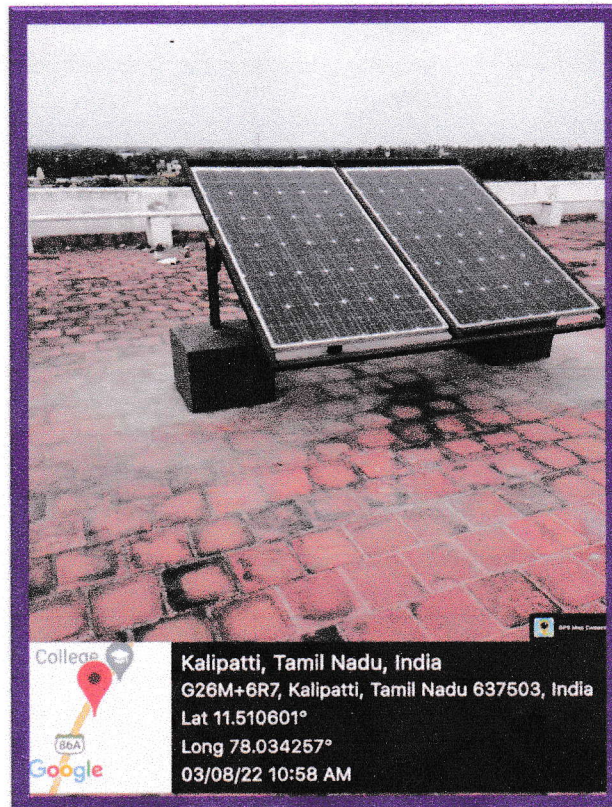
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**Kalippatti – 637 501, Namakkal (Dt), Tamil Nadu.**

### **Solar Energy**

Solar Panel work by absorbing sunlight with photovoltaic cells, generating direct current (DC) energy and then converting it to usable alternating current (AC) energy with the help of inverter technology. Photovoltaic cells absorb the sun's energy and convert it to DC electricity.

### **Solar Panel**

Maximizing natural light, which cannot only save on lighting requirements and (subsequently energy cost), but can also help keep buildings warm in colder months and using renewable energy to power the building – for example installing a commercial solar panel system.



**Solar Panel**

  
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**Solar Energy**



**Solar Panel Installation**

  
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### **Biogas Plant**

Mahendra Arts & Science College (Autonomous) practices segregation of solid waste and its effective waste management in the campus. The collected waste is segregated at the source of the generation, the waste bins are placed separately for dry and wet waste in all the blocks, canteen etc. The wet and dry waste are collected and dumped in the biogas plant to convert waste into energy.



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**BIOGAS PLANT NEAR BIOTECH DEPARTMENT**

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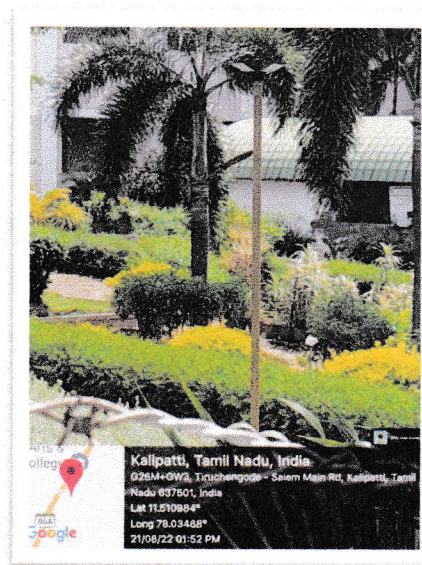
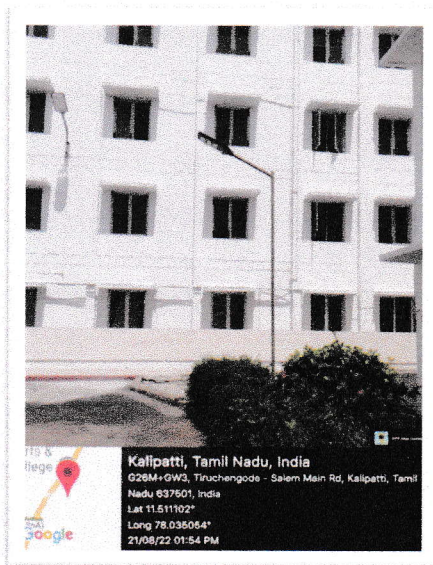
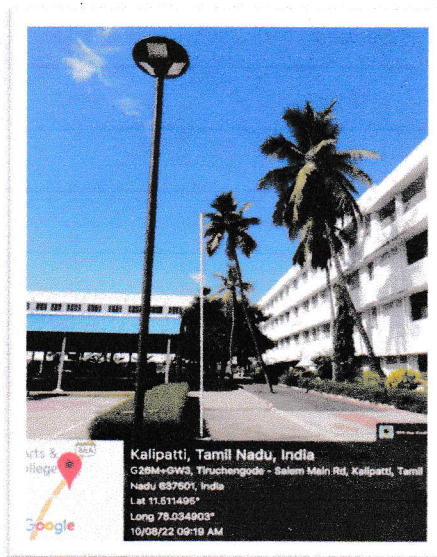


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## Sensor Based Energy Conservation

Solar Panel has been established in our college through which 6 solar lights with 60 watts and 3 with round shaped 120 watts lights have been fixed in various places.



**Sensor Based Solar Street Lights**

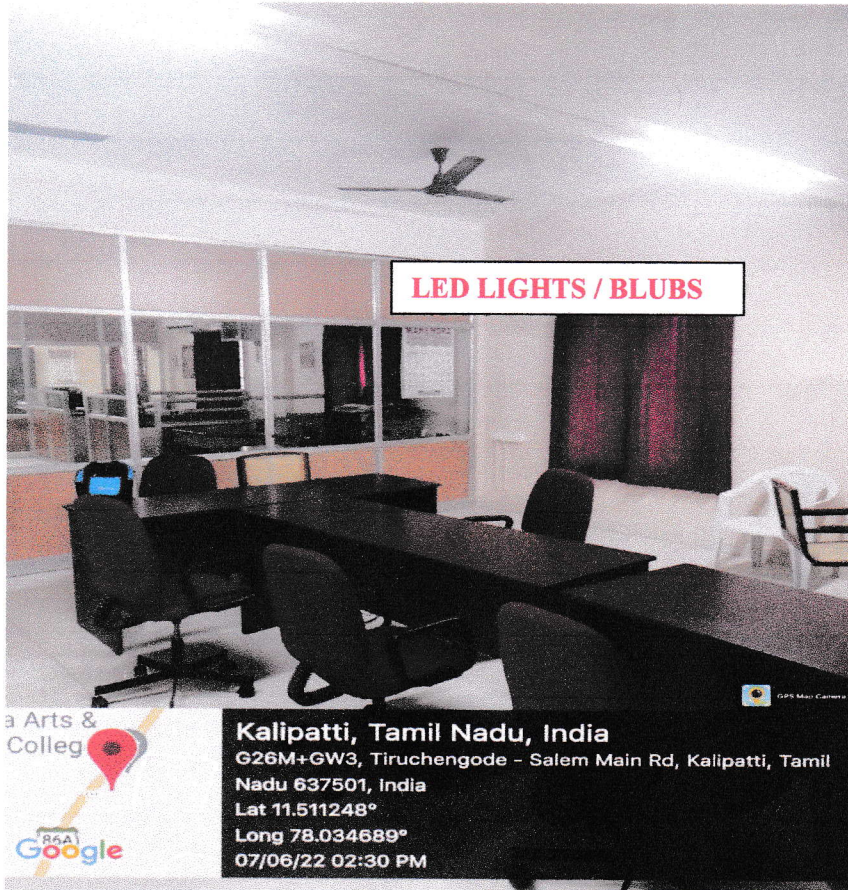
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**USE OF LED BULBS / POWER EFFICIENT EQUIPMENT**



**Kalippatti, Tamil Nadu, India**  
G26M+GW3, Tiruchengode - Salem Main Rd, Kalippatti, Tamil  
Nadu 637501, India  
Lat 11.511248°  
Long 78.034689°  
07/06/22 02:30 PM

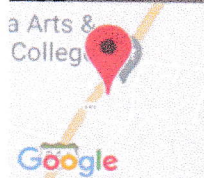
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Kalippatti, Tamil Nadu, India  
G26M+GW3, Tiruchengode - Salem Main Rd, Kalippatti, Tamil Nadu 637501, India  
Lat 11.51146°  
Long 78.034647°  
07/06/22 02:27 PM

**LED LIGHTS / BULBS**

  
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