

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

### a) Solar Energy

Two solar panels of 50 KW (total capacity 100 KW) each are installed in the university campus, to fulfil light requirement in university at small scale. Main objective of solar energy is sustainable development or maximum use of natural resources.



Figure 1. Two 50 KW of solar panels are installed in the university campus

### b) Wheeling to the grid

These solar panels are directly linked with the grid of state electricity department. The extra electricity is transferred to grid during holidays when university is consuming minimum the electricity generated by the solar panel,

### d) Sensor-based energy conservation

Motion based sensor is installed in the main offices such as VC Office, Central Library and block No. 3 entrance so that electricity can be saved.

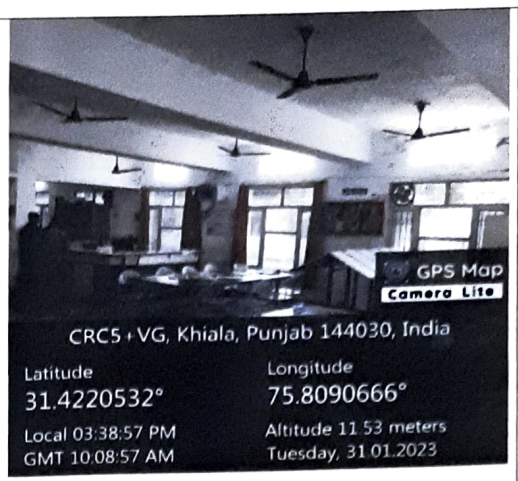
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Registrar  
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Vill-Khiala, Jalandhar-144030



CRC5+VG, Khiala, Punjab 144030, India  
 Latitude 31.4222514° Longitude 75.8087891°  
 Local 02:21:26 PM Altitude 11.53 meters  
 GMT 08:51:26 AM Friday, 20.01.2023

**Figure: Sensor motion lights and fans in VC Office**



CRC5+VG, Khiala, Punjab 144030, India  
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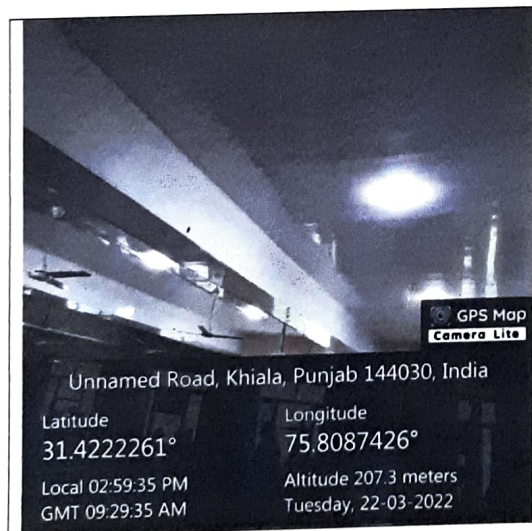
**Figure: Sensor motion lights in Library**

**c) Use of LED bulbs.**

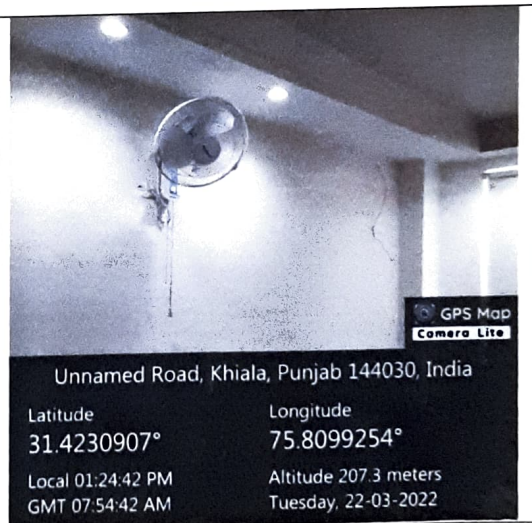
As per govt. initiative of sustainable or Atam Nirbhar Bharat, the university works on entitled “Future thrust: save energy and save resource”. University is working continuously on this by using LED lights and solar system in campus. University has installed LED lights and replacing the conventional tube lights with new LED lights.

Rooms are also designed such that natural lights from outside come in the building to conserve electricity consumption.

The university is also purchasing the new electric appliances which are above 3 star rating and more energy efficient.



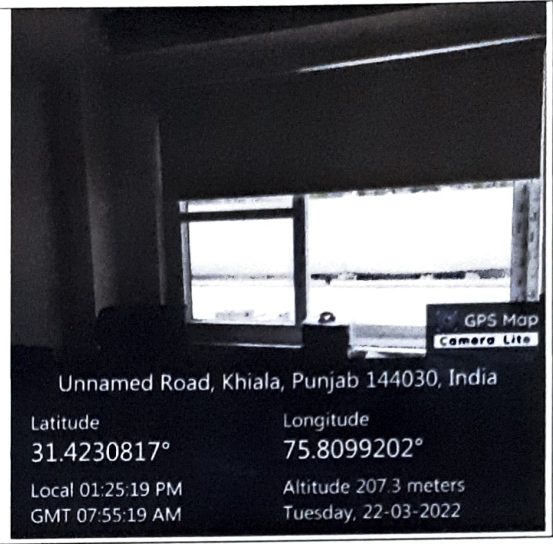
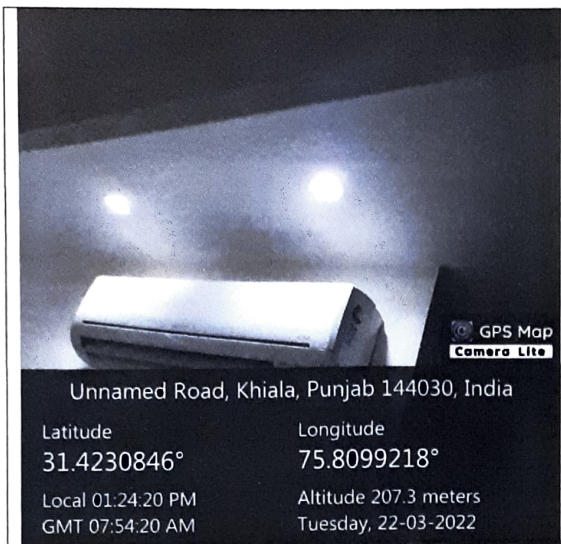
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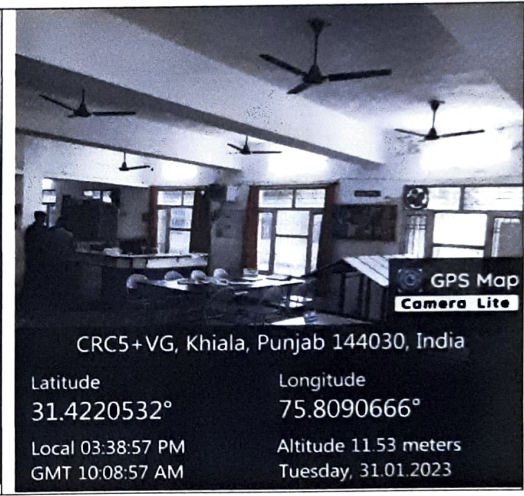
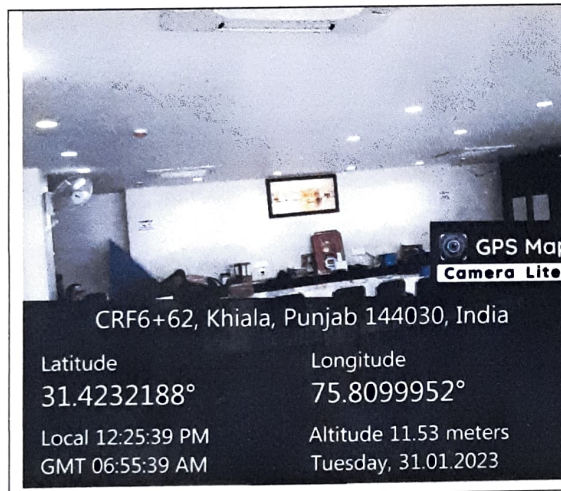
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**Figure: Use of LED Bubs and Tubes. Rooms with big window for natural lights**



**Figure: LED lights in Admission office and Central Library**

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