"Dissemination of Education for Knowledge, Science and Culture."
- Shikshanmaharshi Dr. Bapuji Salunkhe

SHRI SWAMI VIVEKANAND SHIKSHAN SANSTHA'S

VIVEKANAND COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS)

2130, 'E' Ward, Tarabai Park,
Tal. Karveer, Dist. Kolhapur - 416 003.
Affiliated to Shivaji University, Kolhapur (M.S.)

NAAC Reaccredited : "A" (CGPA - 3.24 in 3rd Cycle)
College with Potential Excellence by U.G.C., New Delhi
"Star College" by D.B.T. Govt. of India
ISO 9001 : 2015

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Founder	President	Chairman	Secretary	Principal
Dr. Bapuji Salunkhe D.Lit.	Hon. Chandrakant Dada Patil Higher and Technical Education Minister, Maharashtra	Prin. Abhaykumar Salunkhe M.A.	Prin. Mrs. Shubhangi Gawade M.Sc., B.Ed.	Dr. R. R. Kumbhar M.Sc.,M.Phil.,Ph.D.

7.1 Institutional Values and Social Responsibilities

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

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VIVEKANAND COLLEGE KOLHAPUR * ESTD JUNE 1964 * (Empowered Autonomous)

Dr. R. R. Kumbhar

PRINCIPAL
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

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

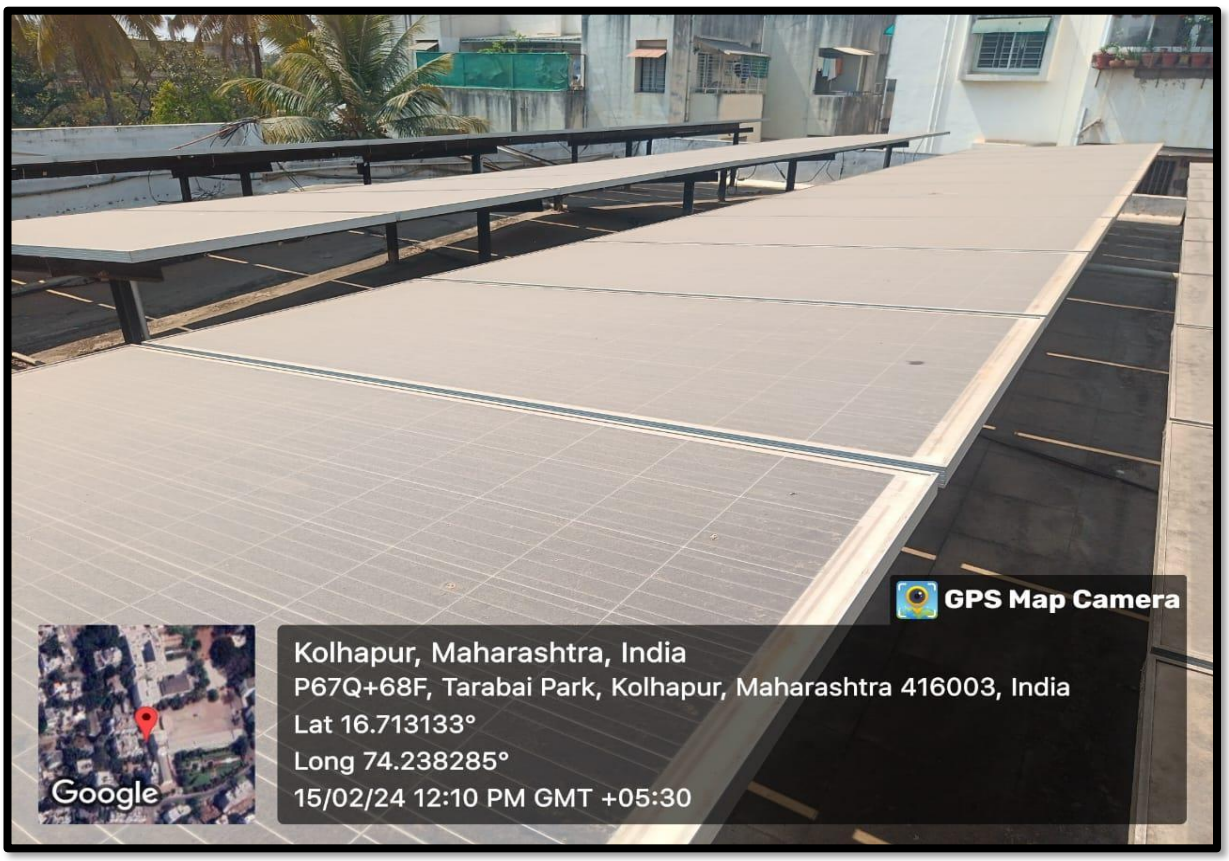
7.1.2.1: SOLAR ENERGY

The solar energy is conventional energy source which is converted in electrical energy with the help of solar cell device. Solar energy is huge source of energy which is almost available throughout the year. Vivekanand College has following solar energy facilities installed in the campus at:

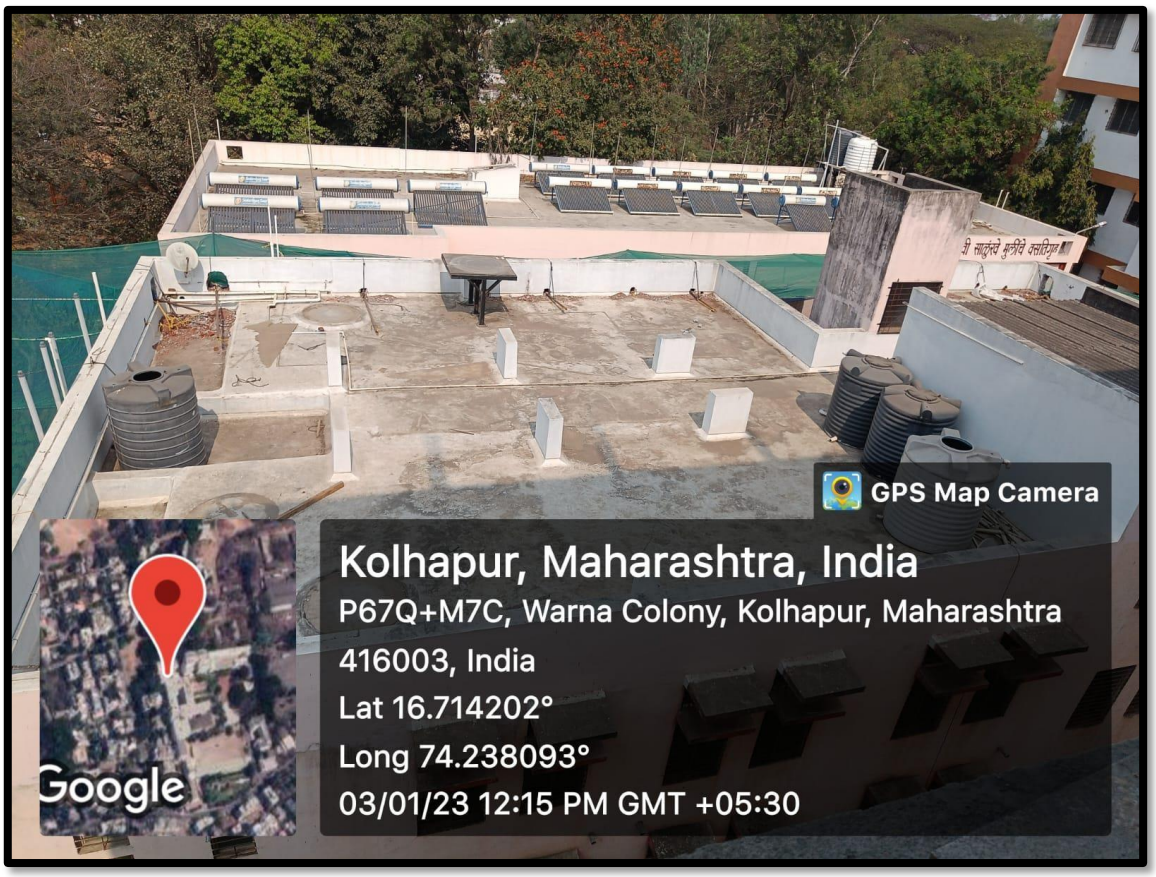
- Roof top solar water heater: Shrimati Sushiladevi Girls Hostel
- Solar Panel: Dr. D. A. Patil Library
- Solar street lights: Behind the college office

Geotagged photos of installed Solar Energy Panels, Solar Hot Water System and street lights

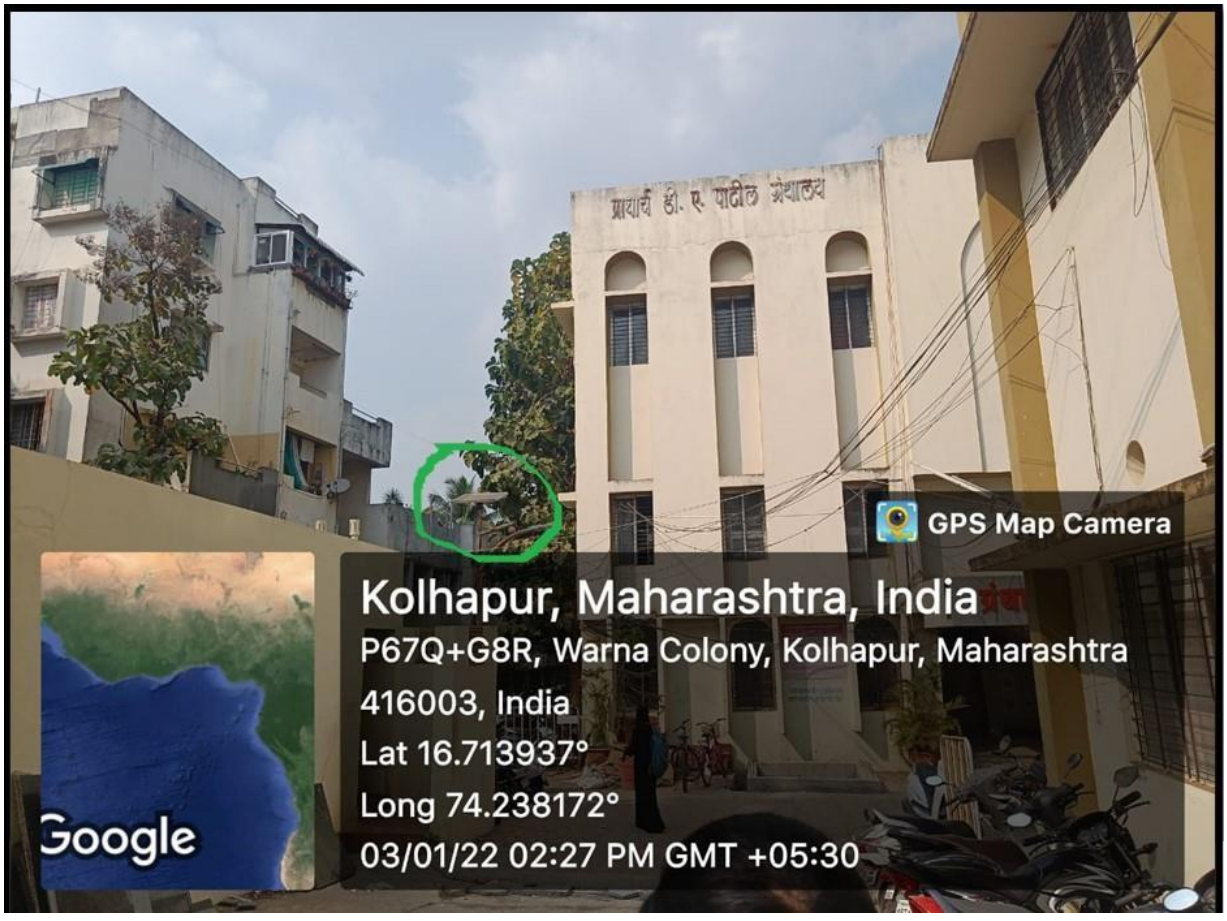
1. Solar Energy Panels at: Dr. D. A. Patil Library



2. Roof top solar water heater: Shrimati Sushiladevi Girls Hostel



3. Solar street lights: Behind the college office



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

7.1.2.3 : Wheeling to the Grid

Solar panels are installed at roof of the Dr. D. A. Patil Library, Vivekanand College, Kolhapur produces electricity and out of which the excess electricity is sold to the Maharashtra State Electricity Distribution (MSEB) Company Limited department and in return the MSEB Company Limited deposits the fixed amount per unit in the bank account of the college is deducted from the next bill.

Geotagged photos of installations of Solar Energy Panels and Solar Hot Water System

Solar Energy Panels at: Dr. D. A. Patil Library

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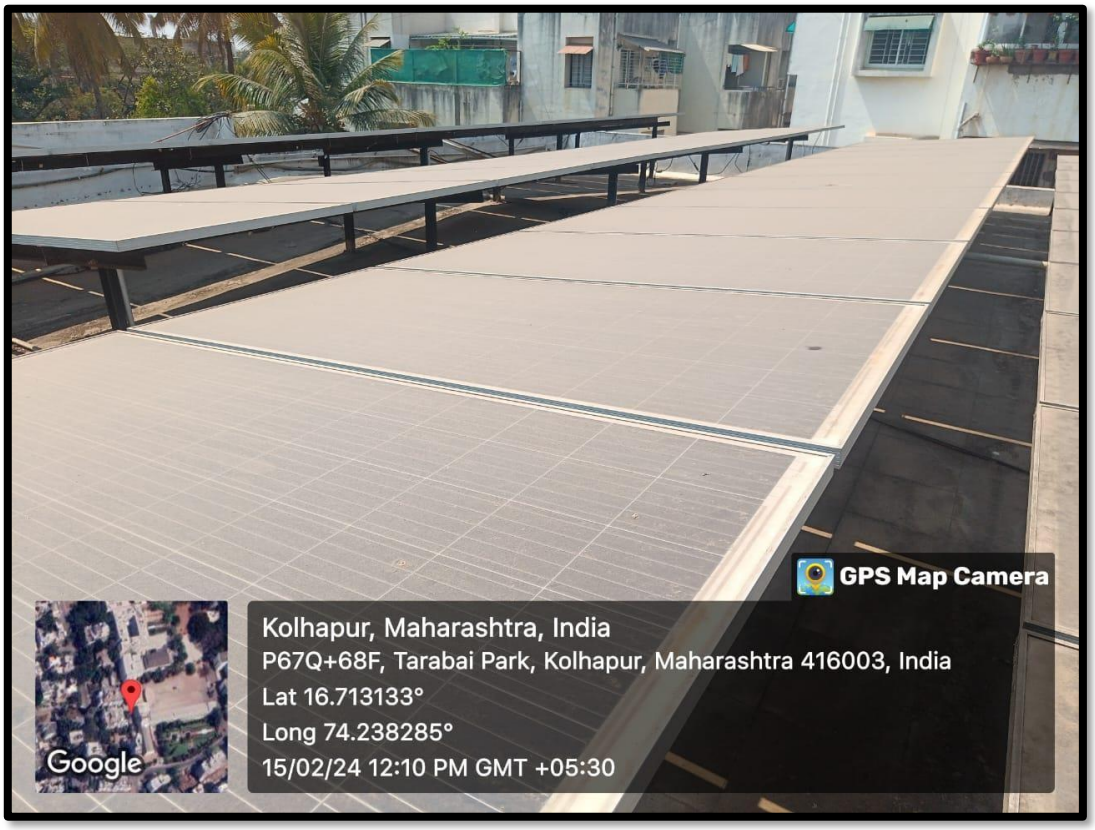

GPS Map Camera
Kolhapur, Maharashtra, India
P67Q+68F, Tarabai Park, Kolhapur, Maharashtra 416003, India
Lat 16.713133°
Long 74.238285°
15/02/24 12:10 PM GMT +05:30
Google

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

7.1.2.4 : Sensor-based energy conservation

Energy demand of the society increases day by day and most of the energy we generate from the conventional energy sources. These conventional energy sources are limited and might expire one day. So energy conservation is the need of society for future generation. Our institution always taken an initiation to conserve energy. Vivekanand college has installed sensor-based devices in order to conserve energy.

Facilities available in the campus:

1. Water level sensors for tanks to prevent water overflow

   College has fixed two water level sensors for the water tanks fitted on

   i. Main senior college building
   ii. Savitribai Phule College of Nursing building

Geotagged photos of installations of Water level sensors at: server room at the basement of Shikshanmaharshi Dr. Bapuji Salunkhe Smriti bhavan building

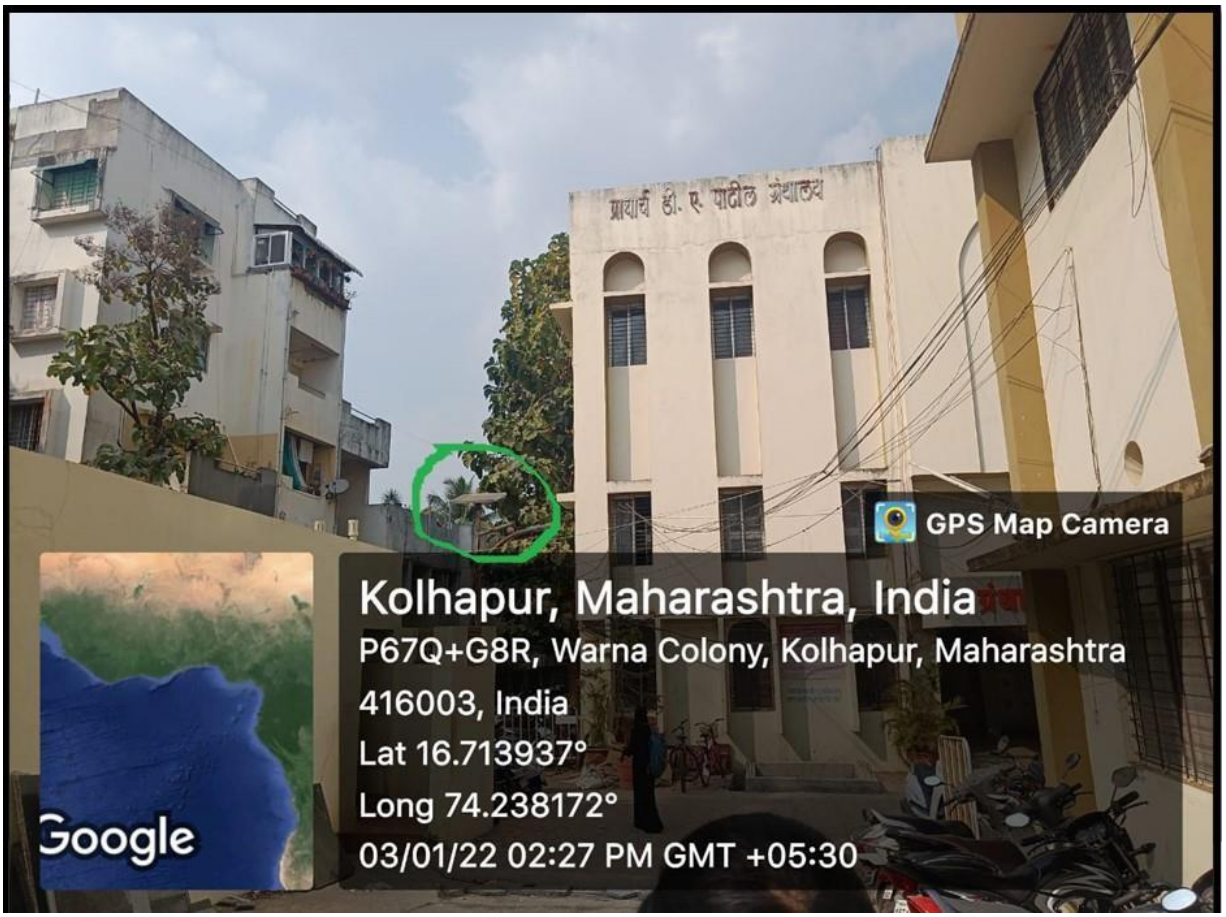
I]

II]

2. Solar street light

Solar street light works on the principle of photovoltaic effect. Under the sunlight solar cell convert the solar energy in to electrical energy. This electrical energy is stored solar batteries. This stored energy is used to illuminate the lamp. The Photoreceptor sensors are installed in the lamp to lit the lamp only from dusk till down. Photoreceptor sensors on the solar lamp sense the lack of sunlight and start supplying power from storage batteries and so that street lamp lit. Again, at daybreak, the photoreceptors shut off the light automatically.

Geotagged photos of Solar Street lights: Behind the college office

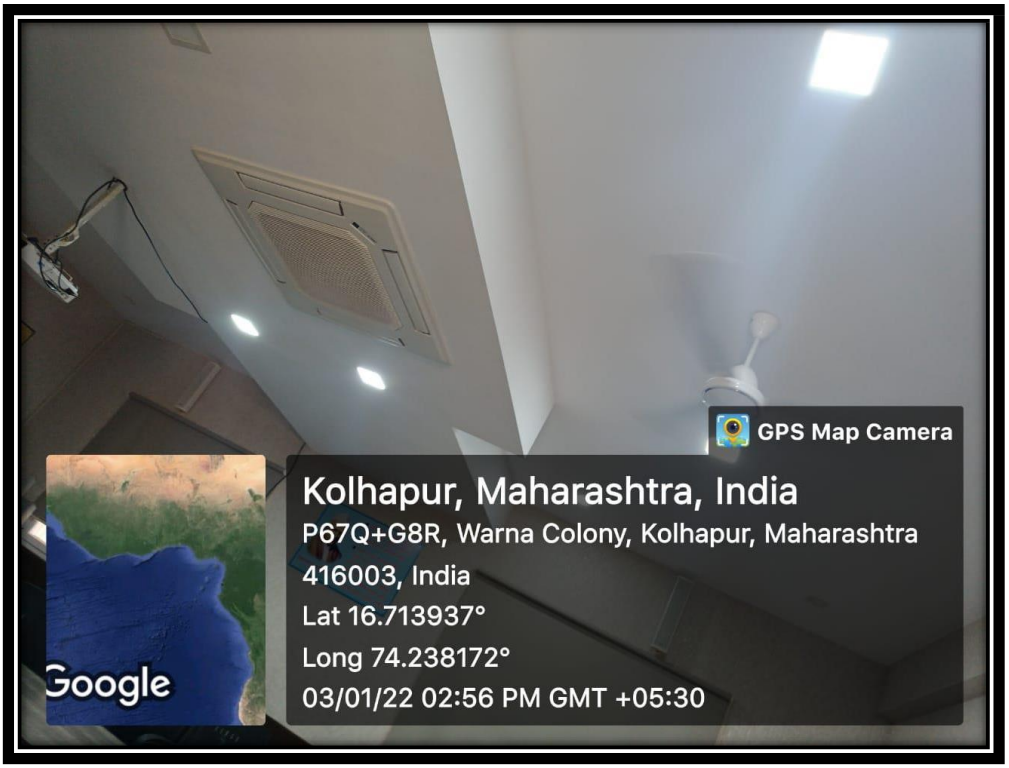


The Institution has facilities for alternate sources of energy and energy conservation measures:

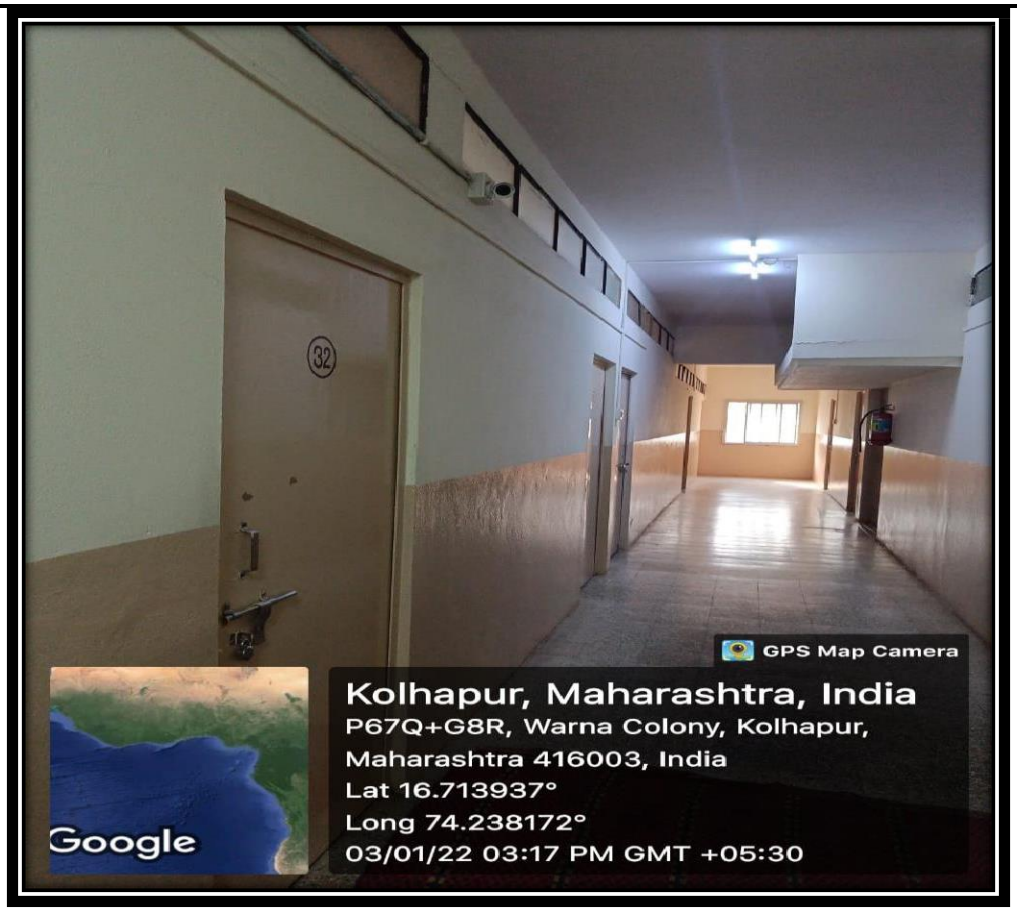
7.1.2.5 : Use of LED bulbs/power efficient equipment

I] Light emitting diodes (LED) bulbs:

LED bulbs are most energy-efficient lighting technology. It almost saves about 75% electrical energy. It has many advantages like ling life, available in different brightness and intensities, less radiated heat etc. Our institute is using LED bulbs almost every where in campus.



Picture 2: Use of LED lamps



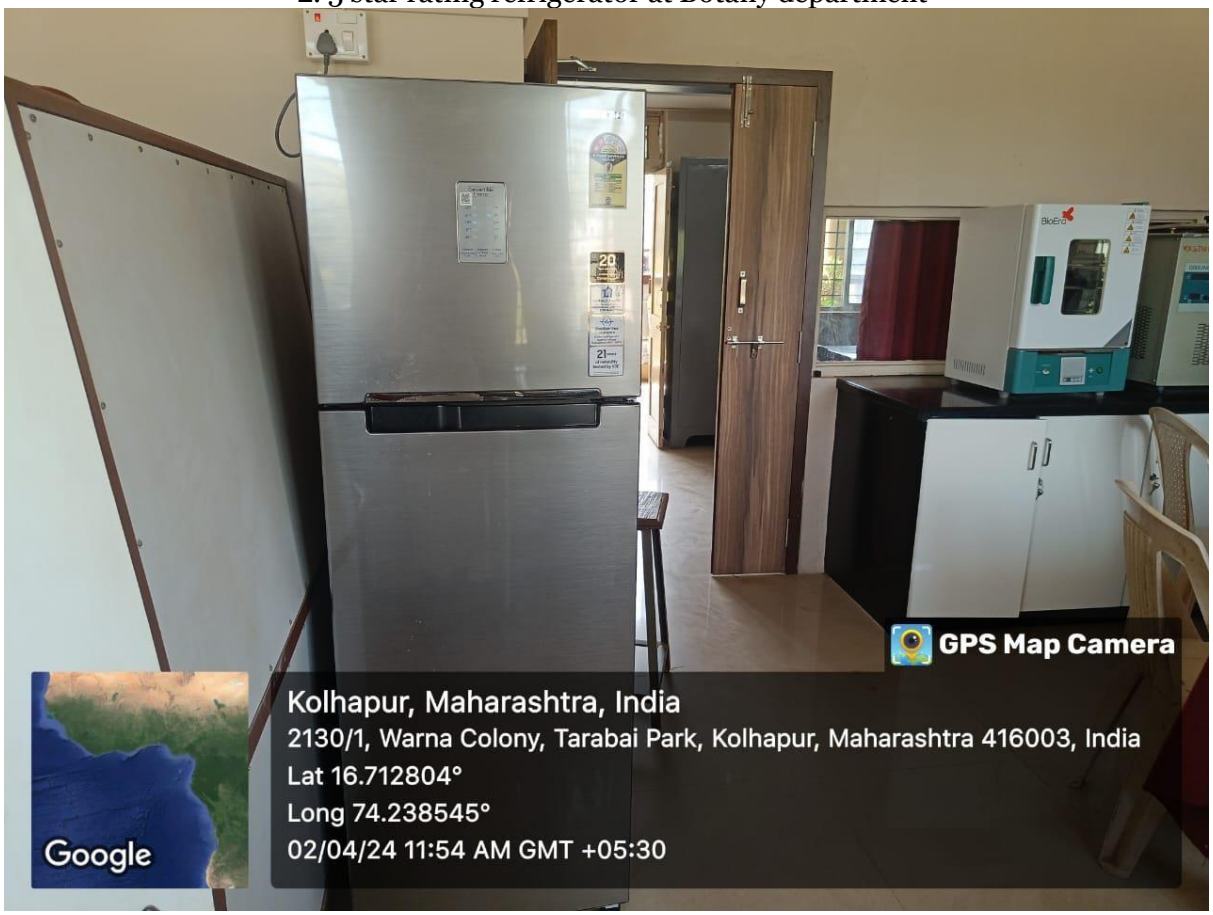
Picture 2. LED lamps

Picture 6: LED bulbs at smart room no.19

II] Power efficient equipment:

The college has provided almost every possible power efficient equipment. College has purchased energy star equipment so that it could save electrical energy. In the campus management has replaced cathode ray tube monitors by LED monitors. LED monitors are more environment friendly than CRT monitors as LED monitors consume less power than the CRT monitors.

2. 5 star rating refrigerator at Botany department



3. 2 star rating refrigerator at Zoology department

4. 3 star rating air conditioner at computer science department