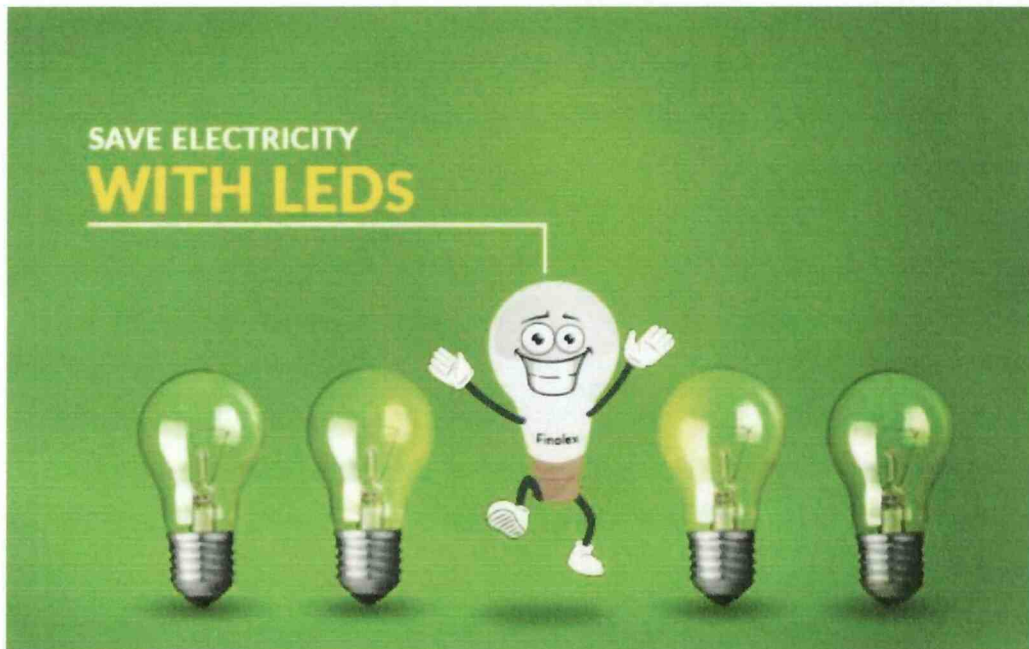


M. S. P. Mandal's
Shivchhatrapati College, Aurangabad

Report On
“Use of LED Bulbs”



J. S. P.
Principal
Shivchhatrapati College,
Aurangabad

Report On “Use of LED Bulbs”

Introduction:

- An LED (light-emitting diodes) light bulb is a solid-state lighting device that fits in standard screw-in connections but uses LEDs to produce light.
- LED bulbs include a semiconductor device that emits visible light when an electric current passes through it. These bulbs environmentally-friendly alternatives to the incandescent bulbs.
- Recent improvements in the LED technology have enhanced the efficiency of light output and reduced the cost and have become popular for lighting purpose in households, businesses and other environments. LED bulbs have better efficiencies and longer life time. These bulbs can work for 50000 hours also.
- LED bulbs require less electricity consumption, requiring lower power (8-11 watts) as compared to the incandescent bulbs (60-watt).

Benefits of use of LED bulbs:

- ❖ Maintenance-free
- ❖ Easy for installation
- ❖ energy savings technology
- ❖ Power saving from 30% to 90%
- ❖ Work at lower temperature
- ❖ Smart connectivity features
- ❖ Better light output and visibility
- ❖ Longer life span

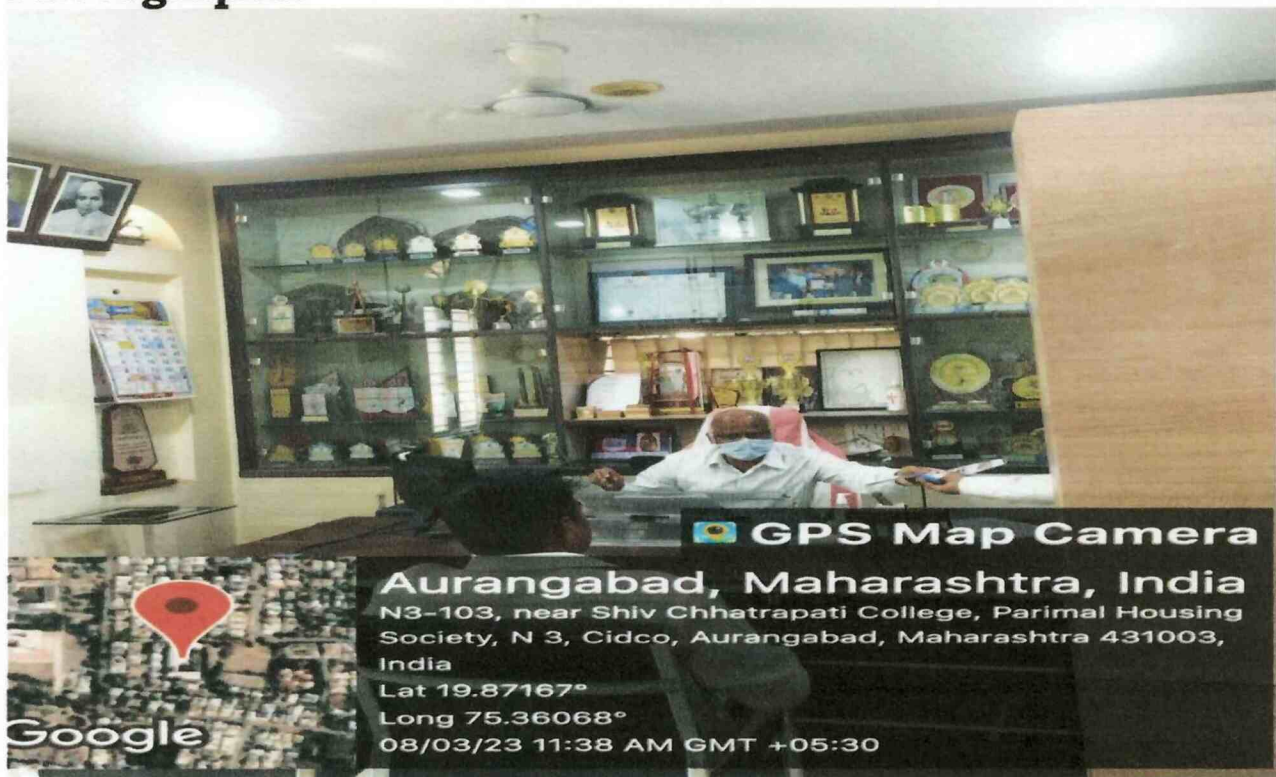


Shiv
Principal
Shivchhatrapati College,
Aurangabad

Use of LED Bulbs at the institute:

- Institutes follows **Energy Conservation Policy**
- Practices that involve comprehensively reduction in energy consumption are highly recommended in the campus.
- More than 90% bulbs and tubes are LED ones.
- The institute involves use of renewable sources of energy- viz. solar panels for illumination during night.

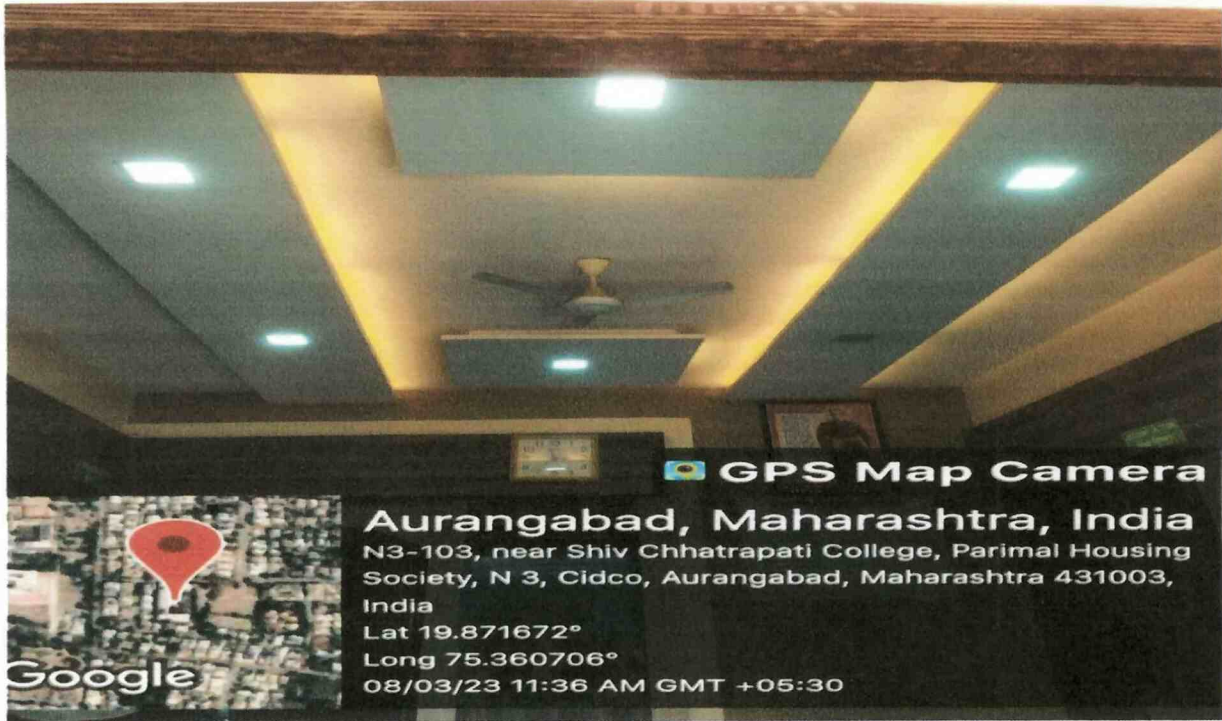
Photographs:



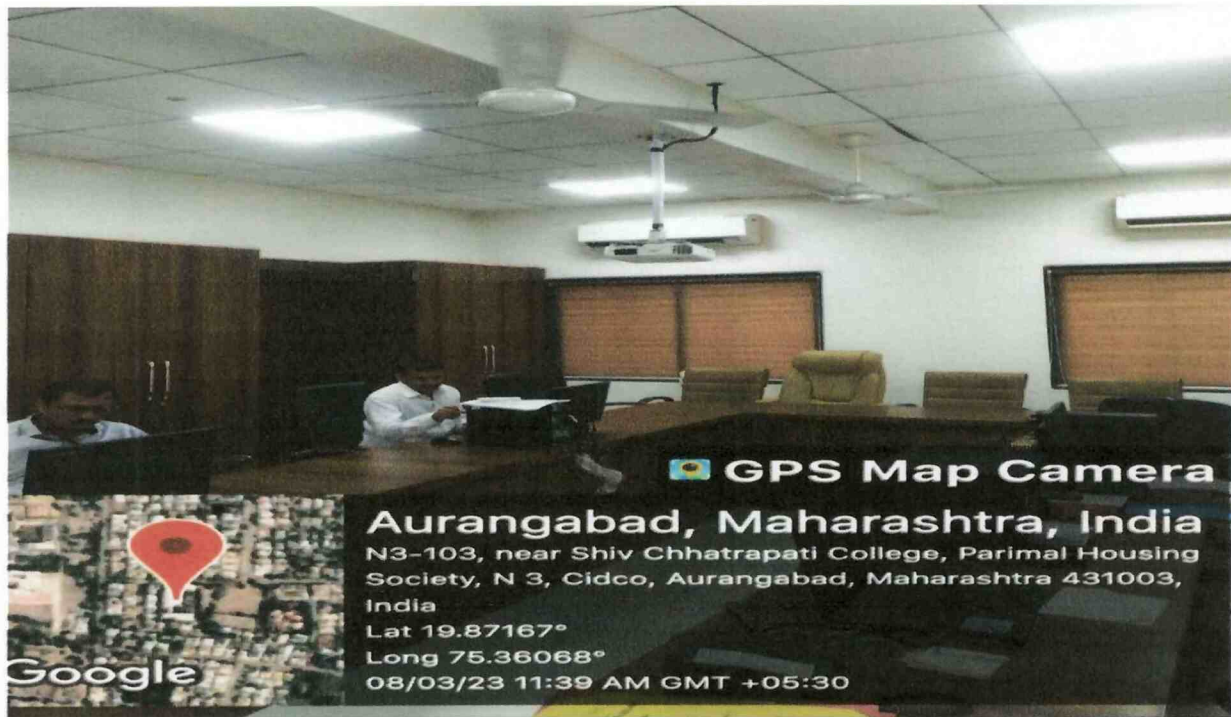
Use of LED Bulbs in Principal Office



Jawa
Principal
Shivchhatrapati College,
Aurangabad



Use of LED Bulbs in Administrative wing



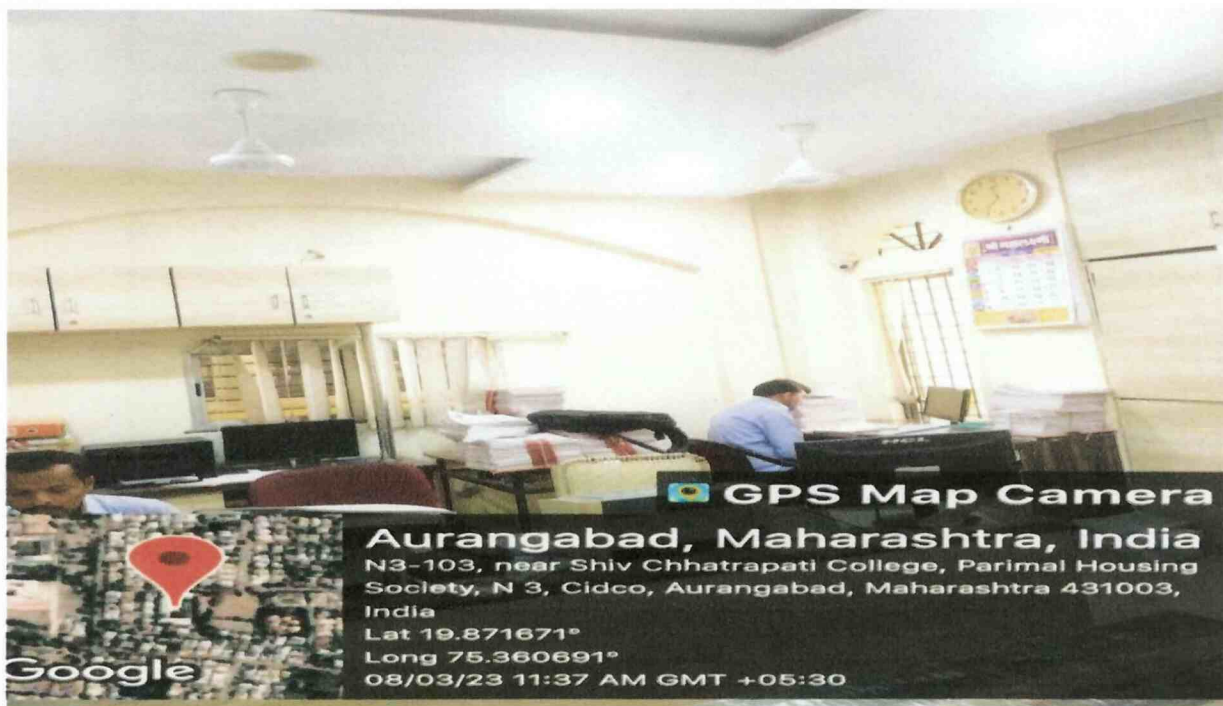
Use of LED Bulbs in meeting room



Shiv
Principal
Shivchhatrapati College,
Aurangabad



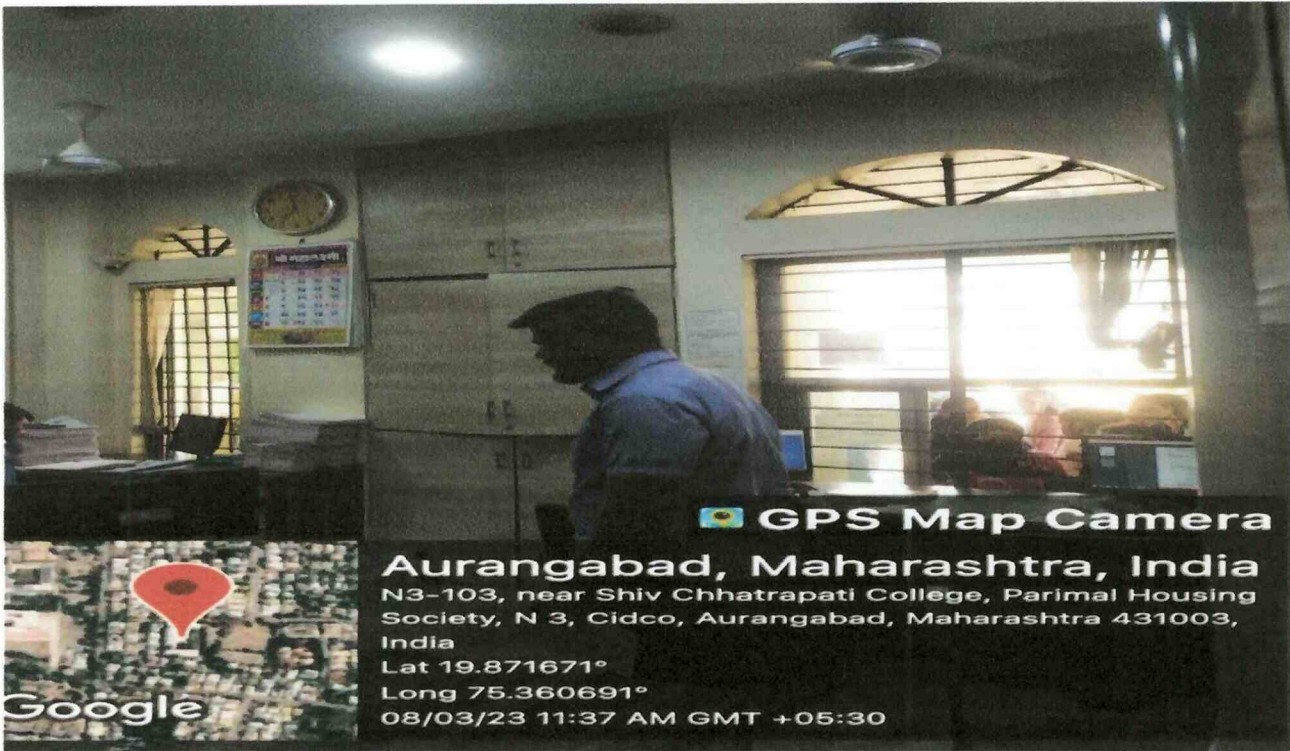
Use of LED Bulbs in accounts section



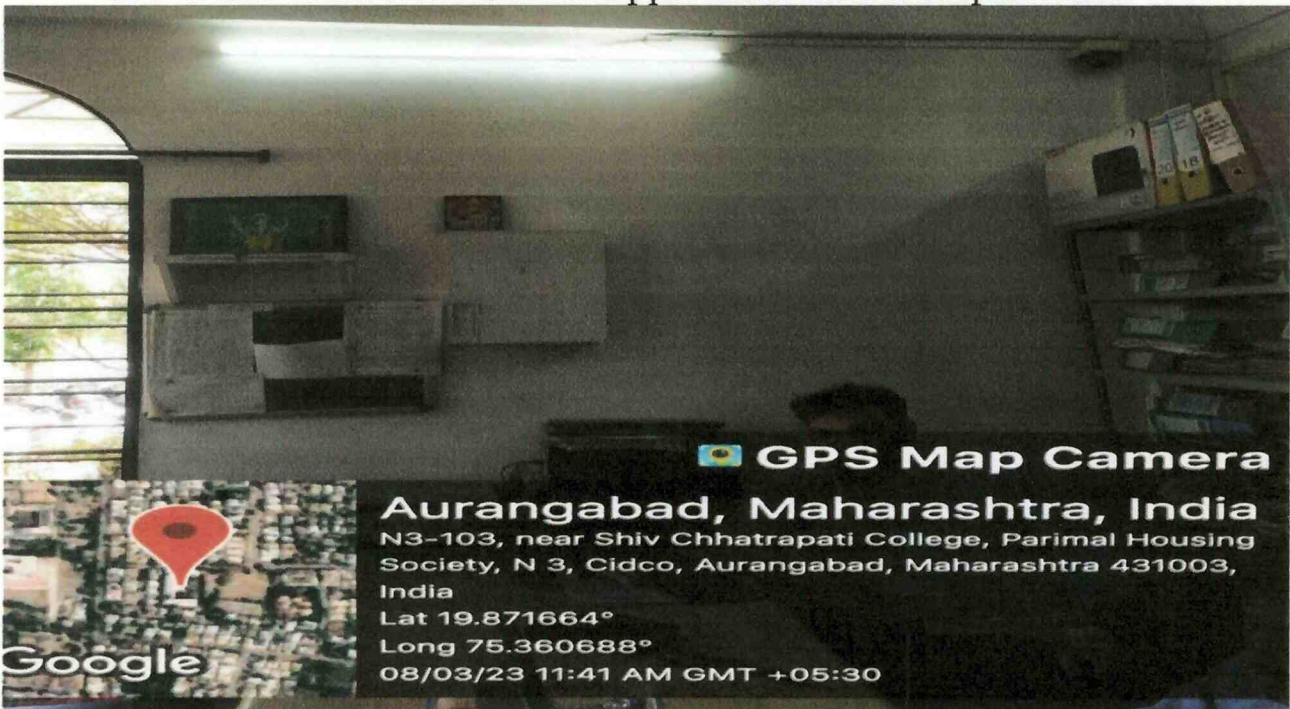
Use of LED Bulbs in student support and scholarship section



Jawa
Principal
Shivchhatrapati College,
Aurangabad



Use of LED Bulbs in student support and scholarship section



Use of LED Bulbs in departments



Shiv
Principal
Shivchhatrapati College,
Aurangabad