



Prof. Dr. Avinash S. Jagtap
M.Sc. Ph.D.
PRINCIPAL

E-mail : principal.tccollege@gmail.com

॥ सिद्धिरनेकान्तात् ॥

Anekant Education Society's

TULJARAM CHATURCHAND COLLEGE

of Arts, Science and Commerce, Baramati - 413102.

Dist. Pune. Maharashtra, India.

Empowered Autonomous Status

Religious Minority Institute

NAAC Reaccredited 'A+' Grade, CGPA 3.55

NAAC-SSR

Cycle IV

2019 - 2024

Criterion – VII: Institutional Values and Best Practices

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

Geo-tagged photographs of the facilities

INDEX

Sr. No.	Facilities	Page No.
1.	Solar Energy	3-8
2.	Biogas Plant	10
3.	Wheeling to the Grid	12-13
4.	Sensor based Energy Conservation	15
5.	Use of LED bulbs/ Power Efficient Equipments	17-21



1. Solar Energy



1. Solar Energy

A. Solar Panel at Rooftop –

i. Solar Panel at Rooftop of Administrative Building

Solar power panels have been installed on the rooftops of the Main building and it is feeding the requirements of administrative office of the College.

TotalCapacity= 20 KWp.

Unit-1



Solar Panel at rooftop of Administrative Building with 16 modules



Solar Panel at rooftop of Administrative Building with 16 modules




 Principal
 Tuljaram Chaturchand College
 Baramati

Unit-2



Solar Panel at rooftop of Administrative Building with 40 modules

ii. Solar Panel at Rooftop of Library-

Solar power panels have been installed on the rooftops of the Library and it is feeding the requirements of laboratory of Physics department of the College. **Capacity= ~ 02 KWp**



Solar Panel at rooftop of Library with 16 modules



Principal
Tujaram Chaturchand College
Baramati

B. Solar Heaters at Rooftop–

i.Solar Heater at Rooftop of Girl’s Hostel Building-

There are 26 units’ of solar heaters on the rooftop of Girl’s Hostel providing hot water for bathing.

Sr. No.	Name of Hostel Wing	No. of Units
1.	New Wing	10
2.	A Wing	04
3.	B Wing	04
4.	C Wing	04
5.	D Wing	04



Solar Heater at Rooftop of ‘New’ Wing of Girl’s Hostel




 Principal
 Tuljaram Chaturchand College
 Baramati



Solar Heater at Rooftop of 'A' Wing of Girl's Hostel



Solar Heater at Rooftop of 'B' Wing of Girl's Hostel



Principal
Tuljaram Chaturchand College
Baramati



Solar Heater at Rooftop of ‘C’ Wing of Girl’s Hostel



Solar Heater at Rooftop of ‘D’ Wing of Girl’s Hostel

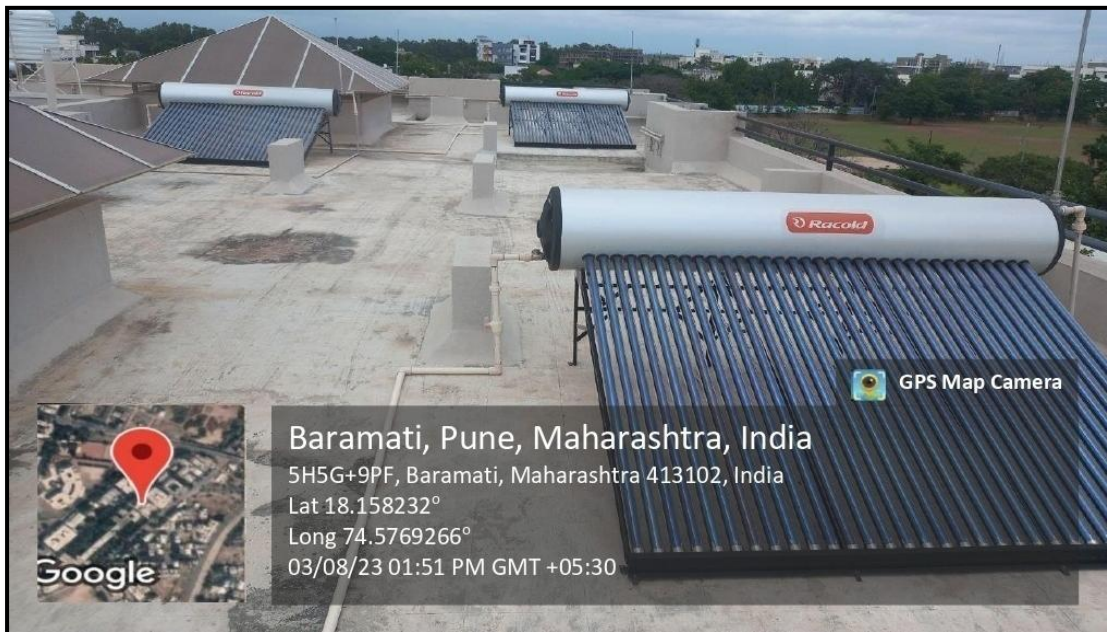


ii.Solar Heaters at Rooftop of Boy’s Hostel Building-

There are 18units of solar heaters on the rooftop of Boy’s Hostel providing hot water for bathing.



Solar Heater at Rooftop of Boy’s Hostel



Solar Heater at Rooftop of Boy’s Hostel



Principal
Tuljaram Chaturchand College
Baramati

2. Biogas plant



2. Biogas plant

Biogas plant at Girls Hostel- Biogas plant placed near to girl's hostel canteen with feeding of 40 kg/day kitchen waste.



Biogas plant at Girl's Hostel with gas generation capacity=45 kg/month



Biogas plant at Girl's Hostel with gas generation capacity=45 kg/month



Principal
Tujaram Chaturchand College
Baramati

3. Wheeling to the Grid



3. Wheeling to the Grid



Setup of Wheeling to the Grid



Distribution of Collected Solar Energy



Principal
Tularam Chaturchand College
Baramati



Inverter for Collection of Solar Energy



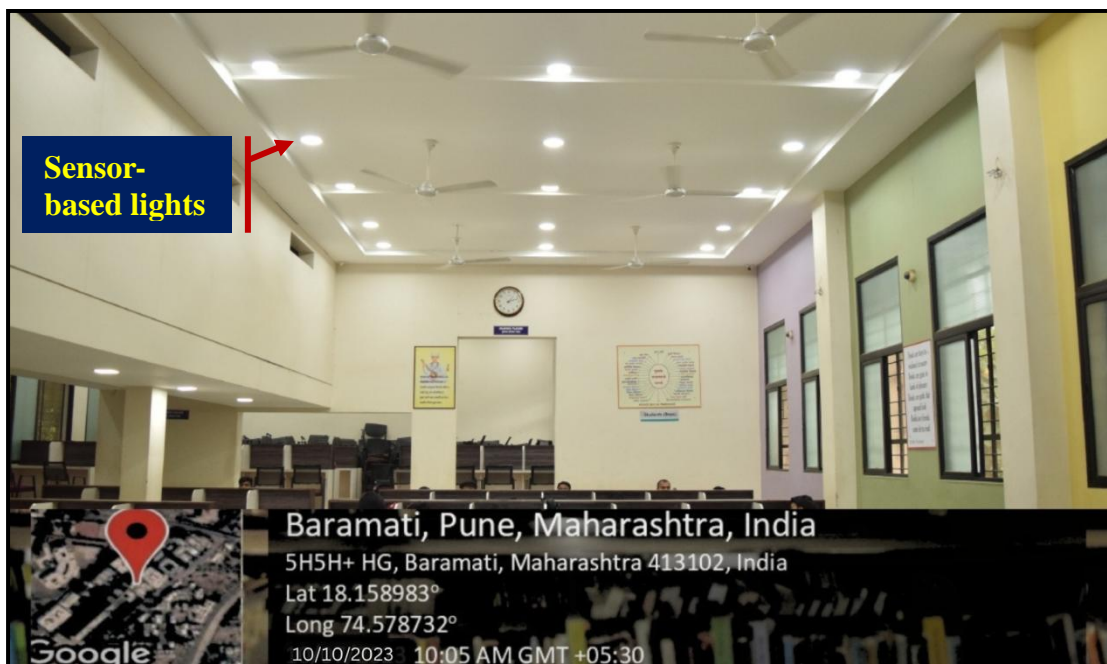
Principal
 Tuljaram Chaturchand College
 Baramati

4. Sensor based Energy Conservation



4. Sensor based Energy Conservation

Sensor-based lights are a type of lighting system that automatically adjusts their brightness or turns on/off based on environmental conditions or human presence. This technology is installed in library of our college. This technology offers several advantages over traditional lighting methods. It is Energy efficient, cost savings, convenience, security and environmental friendliness.



Sensor based energy conservation at Library



Principal
Tuljaram Chaturchand College
Baramati

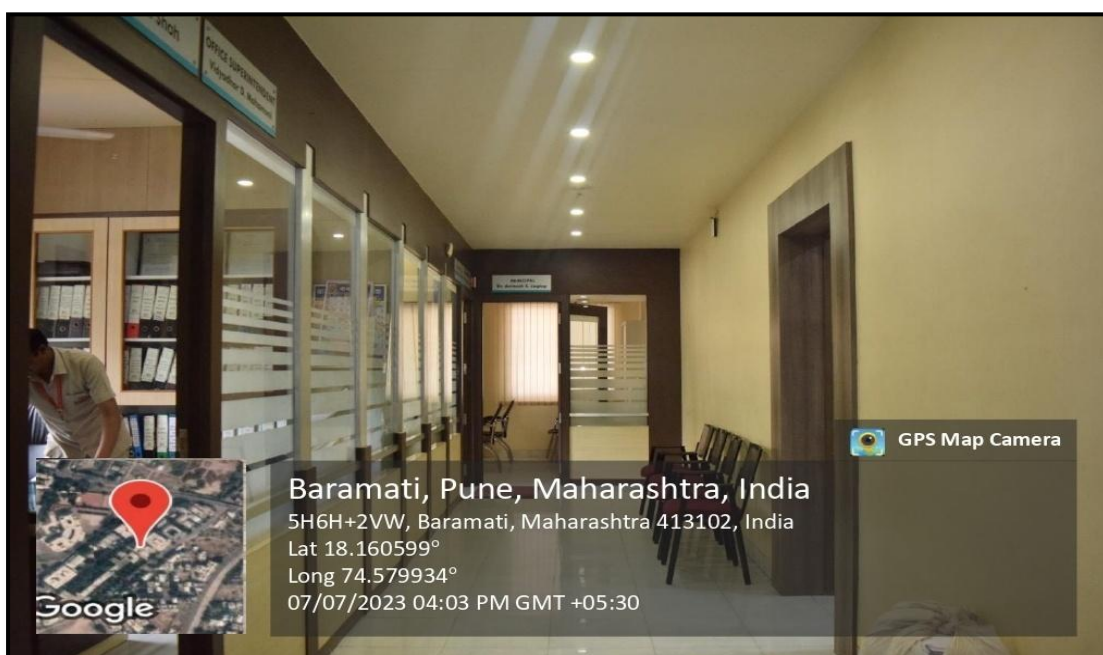
5. Use of LED Bulbs/ Power Efficient Equipment



5. Use of LED Bulbs/ Power Efficient Equipment



LED panels in front of Principal's office



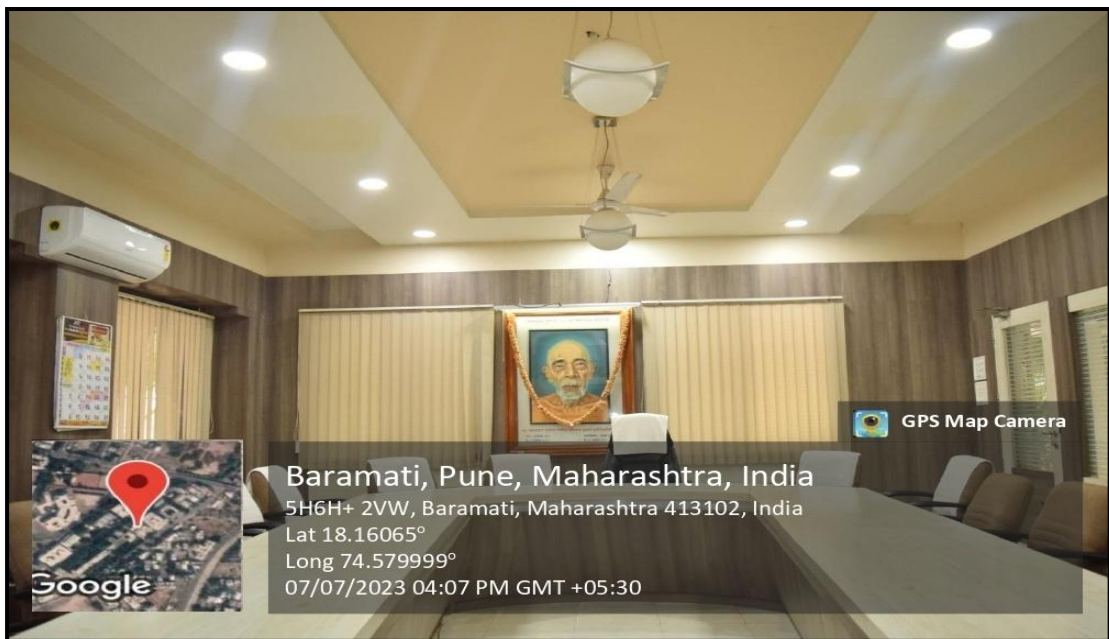
LED lights at Administrative office




 Principal
 Tuljaram Chaturchand College
 Baramati

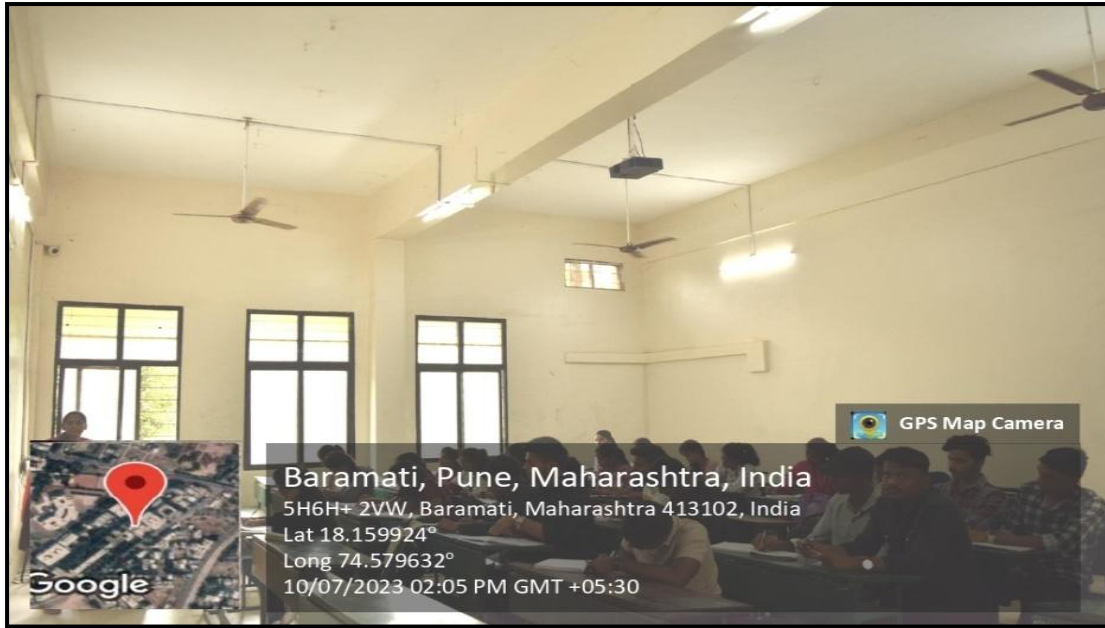


LED lights in Administrative Office

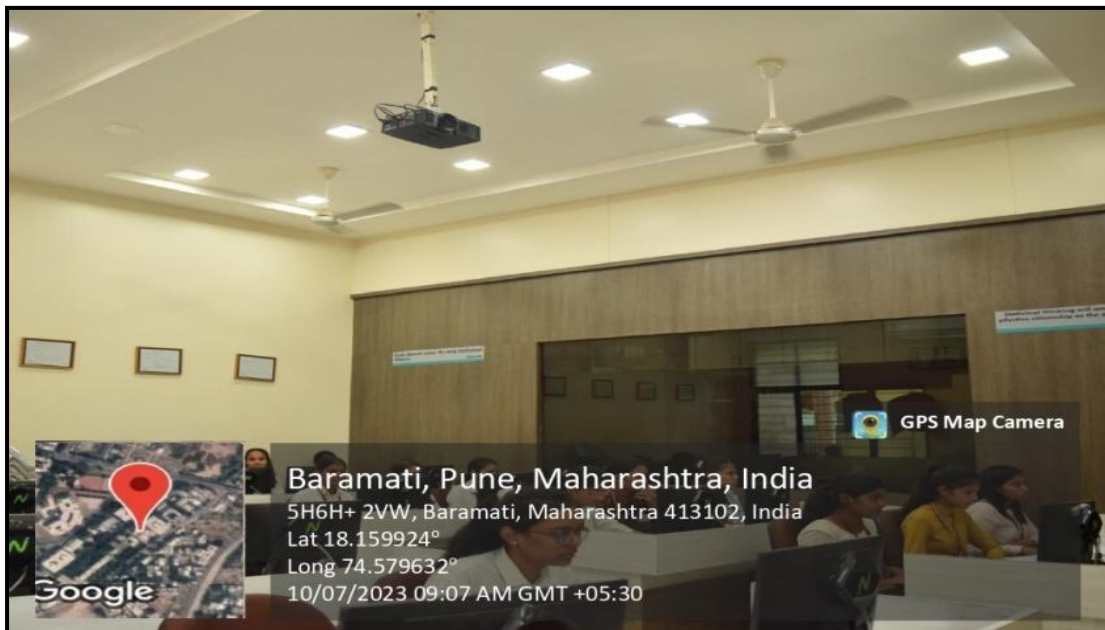


LED lights in Administrative Meeting Hall





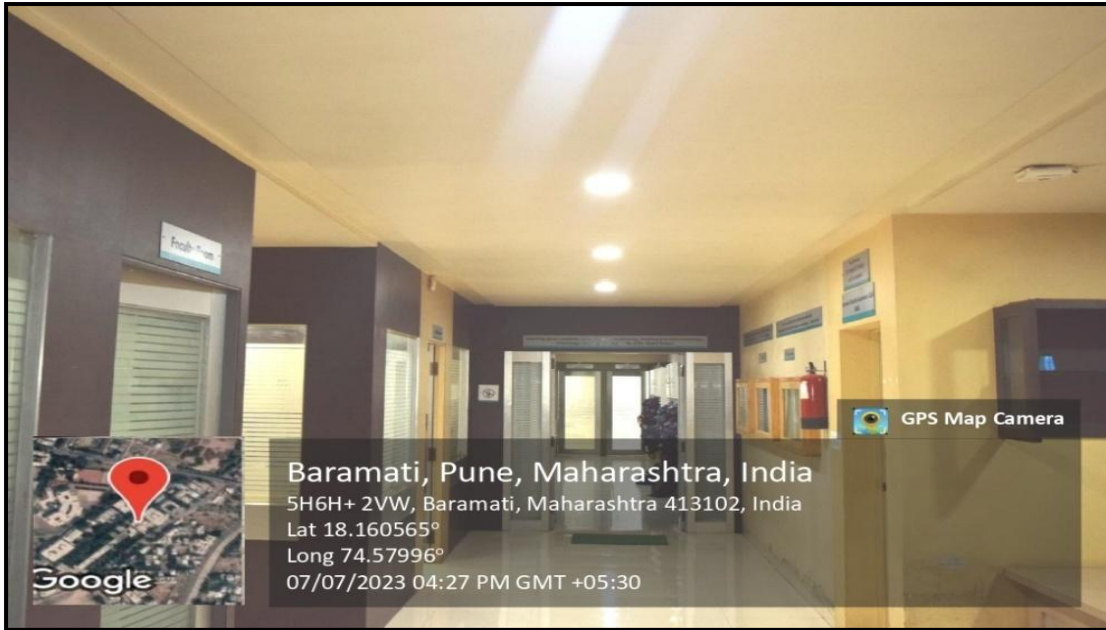
LED lights in Classrooms



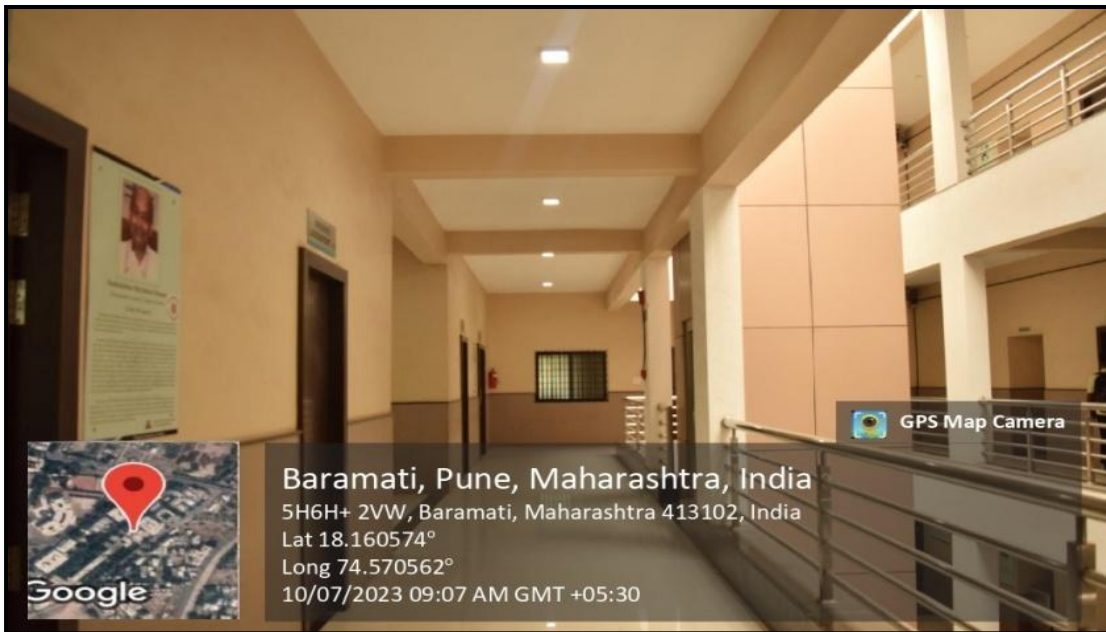
LEDs in Statistics Practical Lab



Principal
Tuljaram Chaturchand College
Baramati



LED lights installed at the corridor of Computer Science Department



LED panels installed at the corridor of Vocational Centre



Principal
Tuljaram Chaturchand College
Baramati



LED lights installed in Auditorum of College- Jivraj Hall




Principal
Tuljaram Chaturchand College
Baramati