



Shirur Shikshan Prasarak Mandal's
Chandmal Tarachand Bora
College of Arts, Commerce and Science

Shirur - Ghodnadi, Dist.- Pune, Maharashtra, Pin- 412210.

Criteria-VII
Criterion 7 - Institutional Values and Best Practices

7.1.2 The Institution has facilities and initiatives for –

- 1. Alternate Sources of energy and energy conservation measures**
- 2. Management of the various types of degradable and non-degradable waste**
- 3. Water Conservation**
- 4. Green Campus initiatives**
- 5. Disabled – friendly, barrier free environment**

Year

2018-19 to 2022-23

❖ **Metric – 7.1.2**

Sr. No.	Particulars	Page number
01	Geo-tagged photographs/ Videos of the Facilities	01-28
I	Alternate Sources of Energy and Energy Conservation Measures	01
II	Management of the various Types of Degradable and Non-Degradable Waste	09
III	Water Conservation Initiatives	14
IV	Green Campus Initiatives	18
V	Disable- Friendly Barrier free Environment	27



**Shirur Shikshan Prasarak Mandal's
Chandmal Tarachand Bora College of Arts, Commerce and Science,
Shirur – Ghodnadi, District – Pune.**

7.1.2 The institution has facilities and initiatives for:-

1. Alternate Sources of energy and Energy Conservation Measures



- **SOLAR PANELS :-** Percentage of power requirement of the college met by there renewable energy sources around 15 KW



*** Photographs of 15 KW Solar Grid Panel System on the roof of C-building**



- Solar Panel system 30 KW.



* Photographs of 30KW Solar Grid Panel System on the roof of D-building

- Use of LED bulbs –



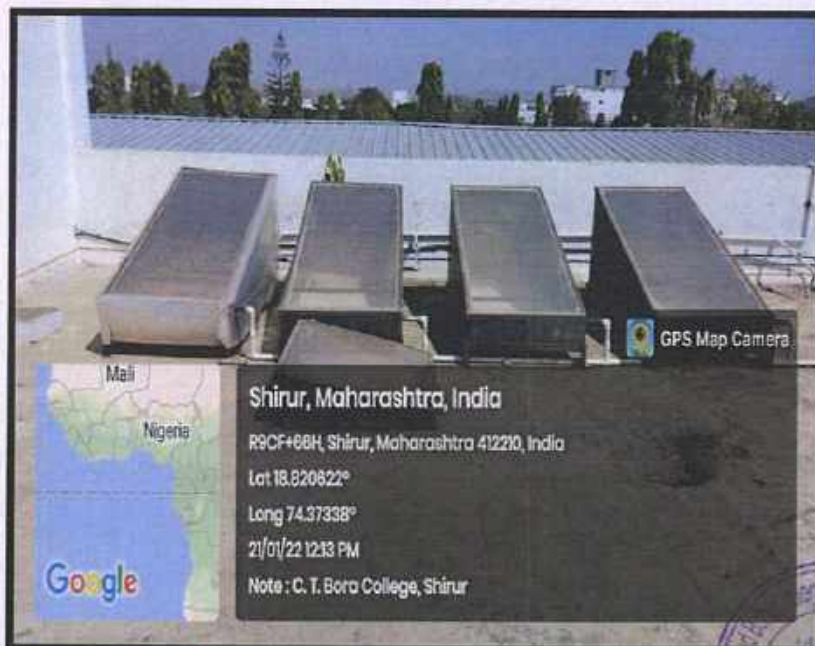
* Photographs of LED bulbs used in Library

- Use of Sensor based Bulbs:-



* Photograph of Sensor based LED bulb on the Staircase of Library

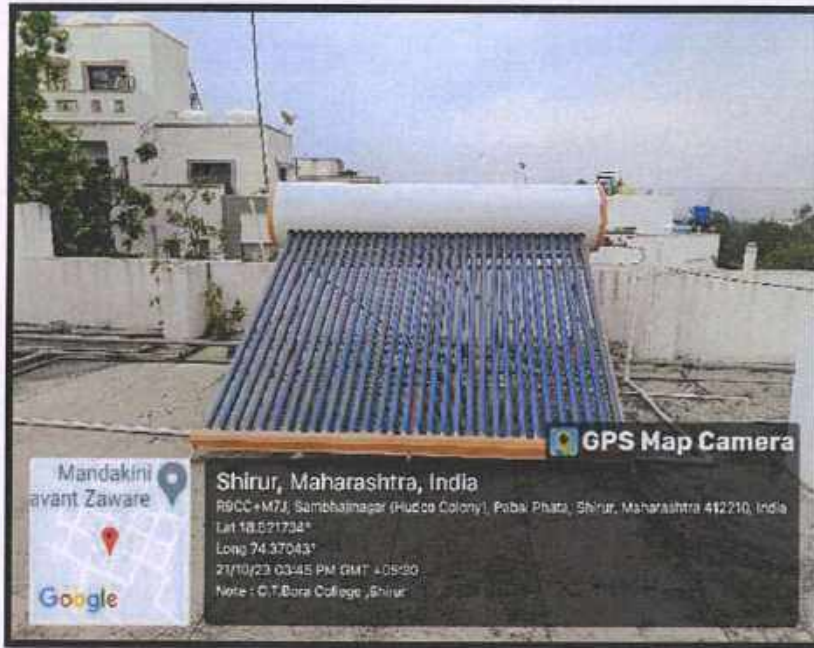
- Solar Water Distillation Plant :-



* Photograph of Solar Water Distillation Plant on the roof of C- building



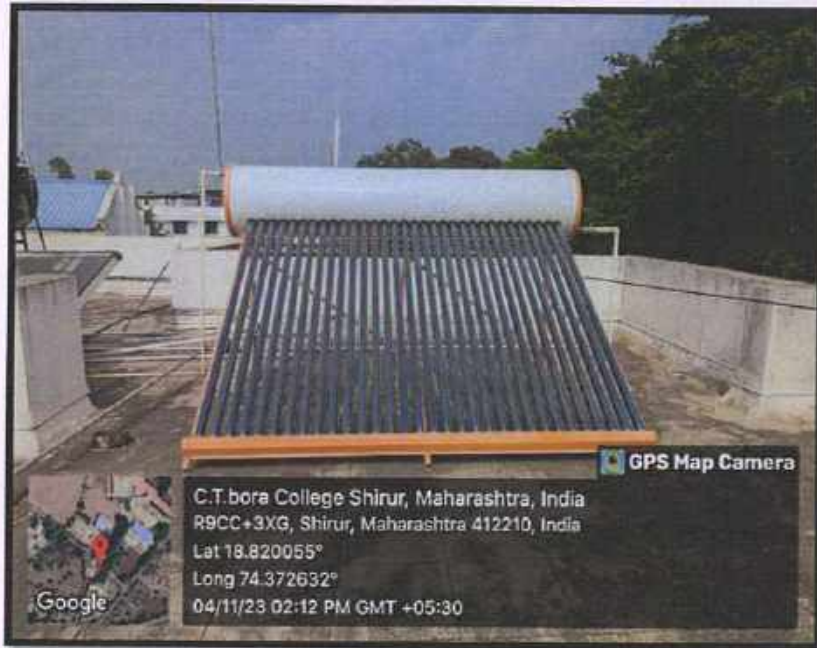
• **Solar Water Heater:-**



Boys' Hostel



*** Photographs of Solar Water Heater on the roof of Boys' hostel**



Ladies Hostel



* Photographs of Solar Water Heater on the roof of Ladies hostel

- Solar Dryer :-



* Photograph of Solar Dryer on the roof of C-building

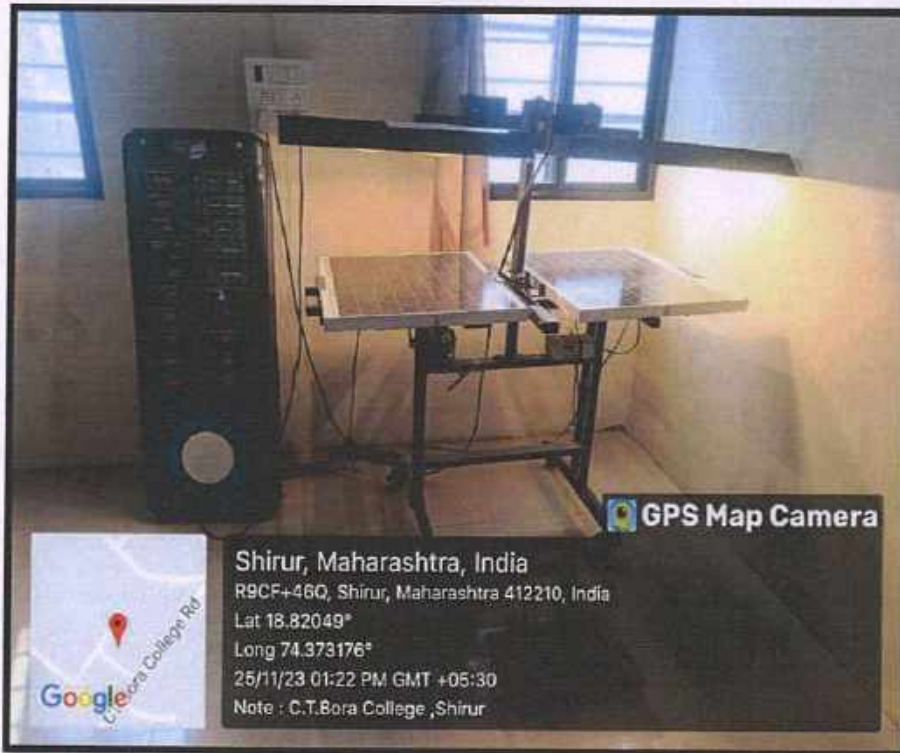
- Solar Concentrator:-



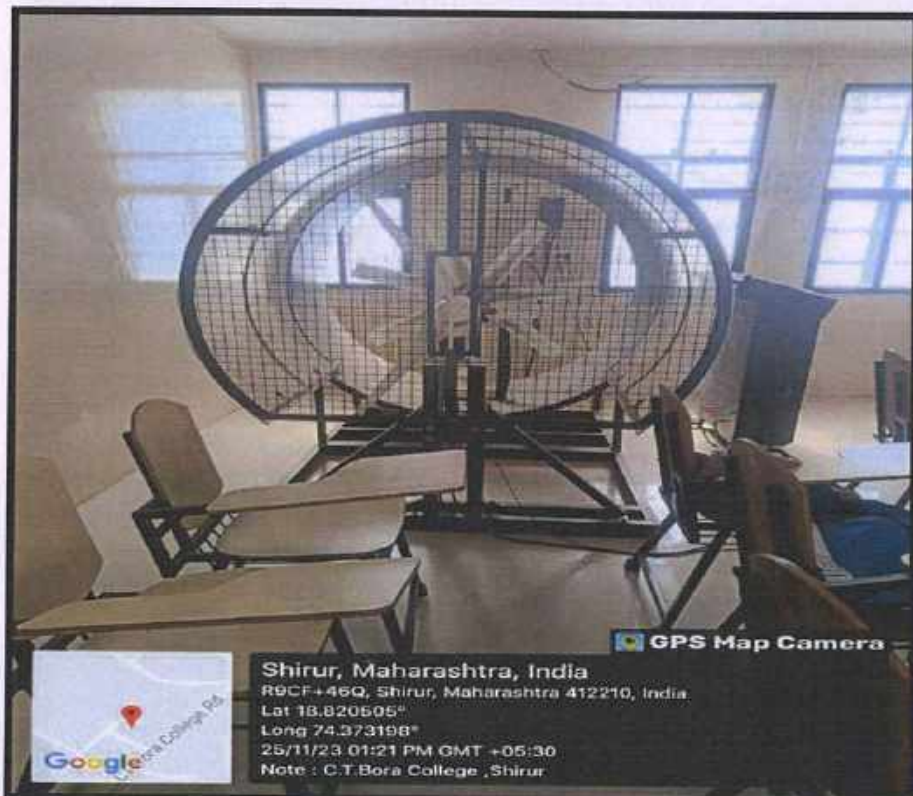
* Photograph of Solar Concentrator on the roof of C-building



- Solar Photo-Voltaic and wind energy system -



* Photograph of Solar Photo-Voltaic system



* Photograph of Wind- energy system



2. Management of the various types of degradable and non-degradable waste

- **Kitchen Waste Treatment Plant :-**



* Photograph of Kitchen Waste treatment plant near Ladies hostel kitchen

- **Plastic Waste:-**



* Photograph of Plastic waste Dustbin





Distribution of Dry and Wet Waste:-



*** Photograph of Dry and Wet waste Collection**

- separate Dustbins for Dry and Wet Waste:-

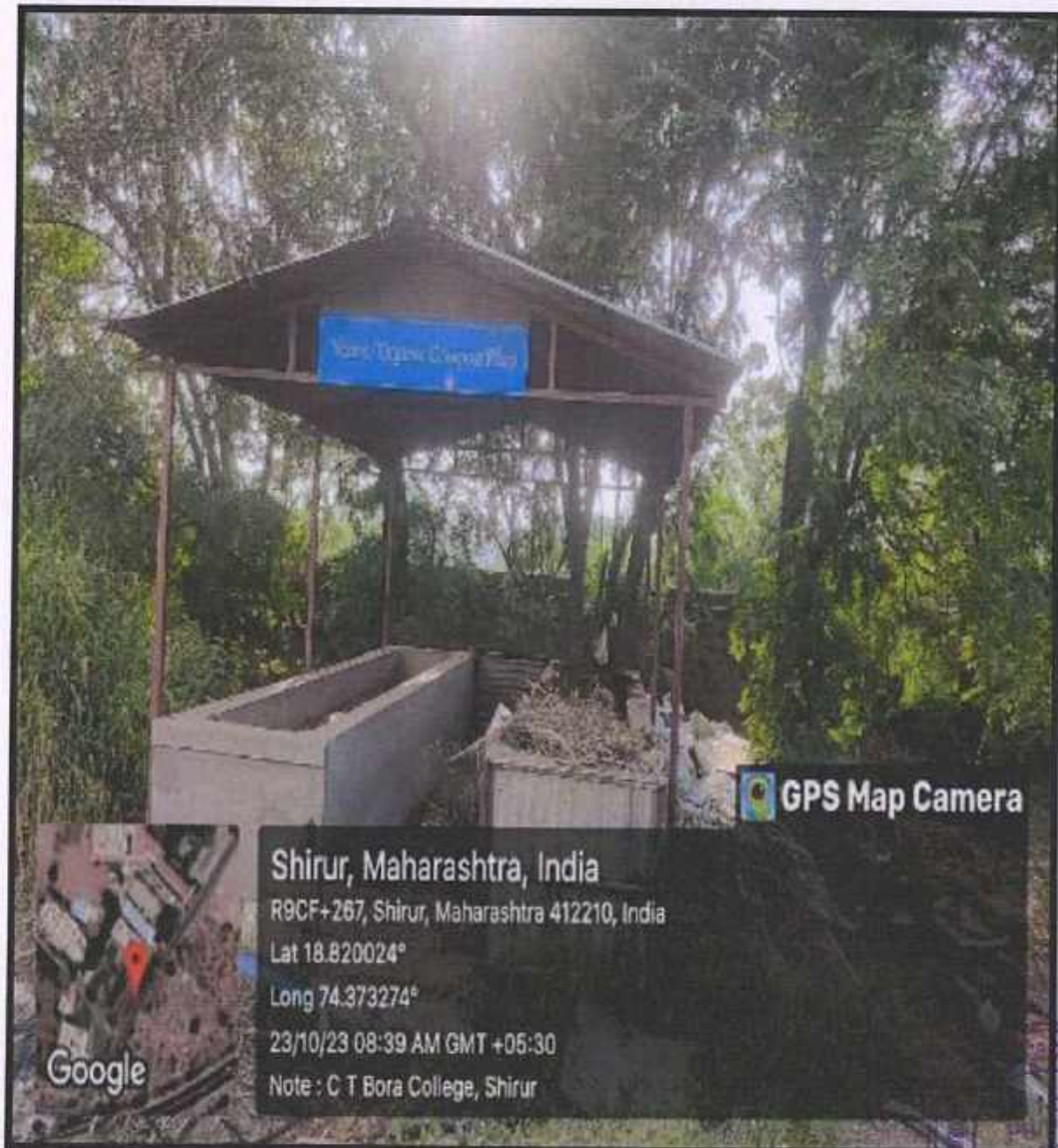


- Municipal Corporation's Van Collects waste from college premises:-



* Photograph of Municipal Corporation's Van which collects separate waste

- Recycling of Garden waste by Vermi-Compost method:-



* Photograph of Recycling of Vermi-compost plant

- Shirur Municipal Council Reclaimed Dumping yard :-



* Photographs of Shirur Municipal Council Reclaimed Dumping yard

3. Water Conservation:-

- **Sprinkler and Dripping System :-**



*** Photograph of Water Sprinkler System in the garden**



*** Photograph of Dripping system for water circulation**



- Rain Water Harvesting :-



— Rain water harvesting tank.

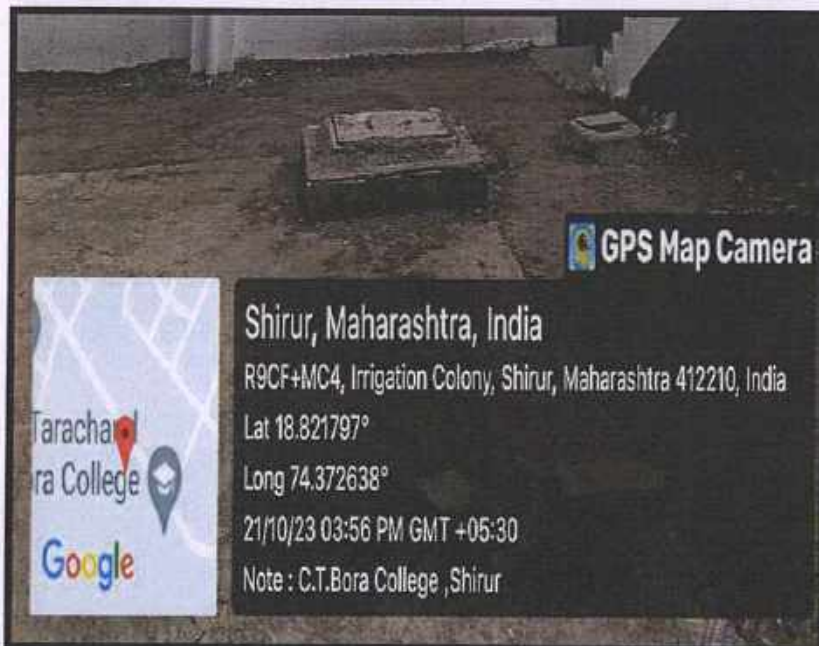


* Photograph of Rain water harvesting tank

- **Construction of tanks and Bunds:-**



*** Photograph of Synthetic tank**



*Underground
 Water harvesting
 tank.*



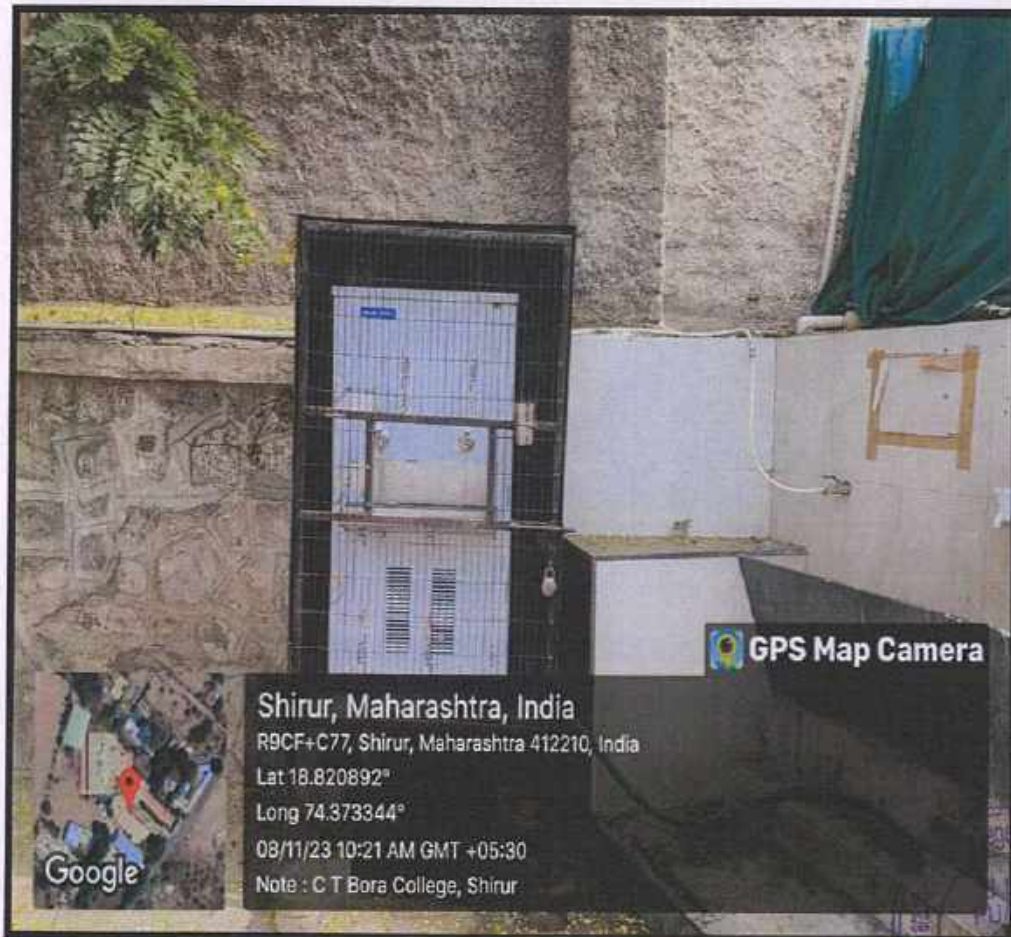
*** Photograph of Underground Rain water harvesting tank near Gymkhana**



Underground
Rain water
harvesting
storage tank.

* Photograph of Underground Rain water harvesting tank near D-building

- Water Purifier in the campus:-



* Photograph of Water Purifier Machine near D-building

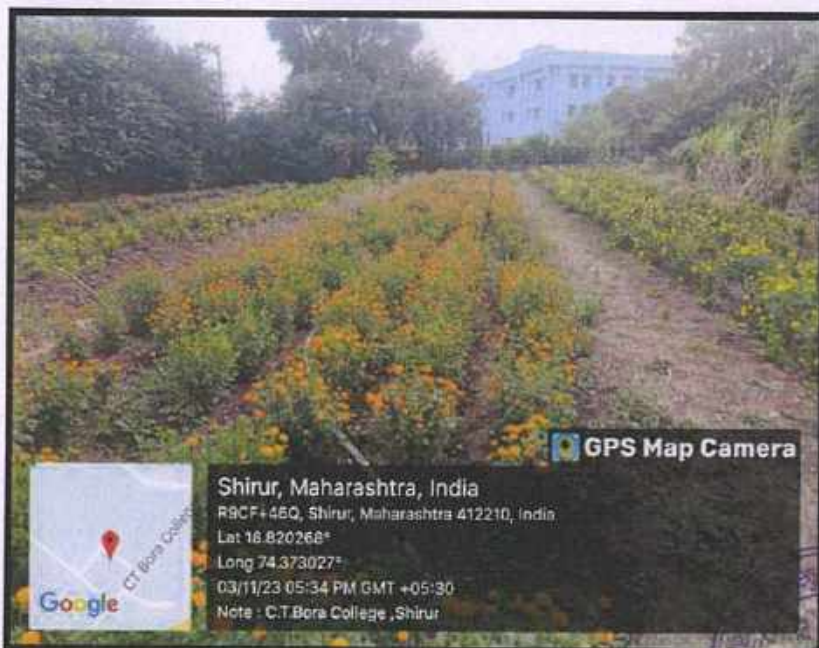
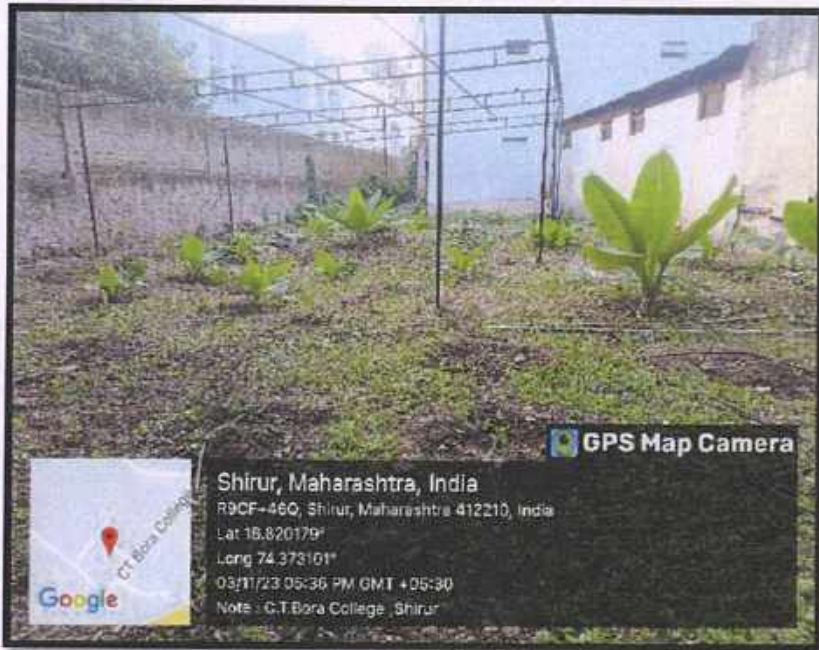


4. Green Campus Initiatives:-

- **Greenery in the Campus:-**



*** Photographs of Greenery in the Campus**



* Photographs of Greenery in the Botanical garden



*** Photograph of Greenery near Gymkhana**

- **Pedestrian friendly Pathways:-**



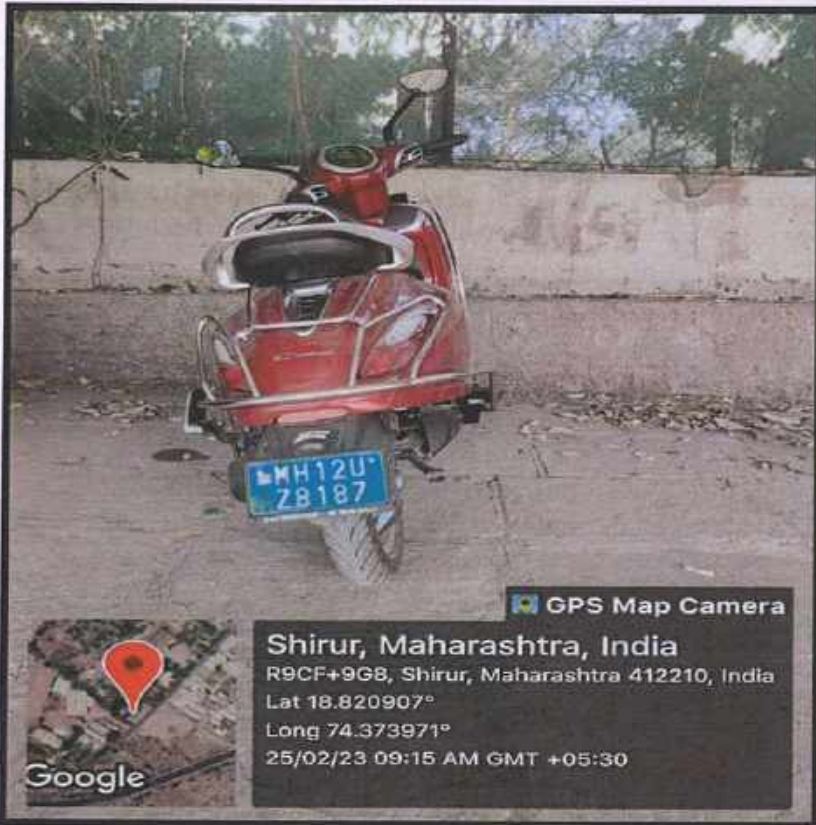
*** Photograph of Pedestrian Friendly Pathway**



- Use of Bicycle and electric Bikes:-



* Photographs of Bicycles



* Photographs of Electric Bikes

- **Ban on use of Plastic/ Plastic Free Campus:-**



*** Photographs of Plastic free Campus Signage**

- Plastic free city rally :-



* Photographs of Plastic free City rally

- Campus Cleaning (Plastic Free Campus) Activity on 09/01/2023 :-



* Photographs of Plastic free Campus/ Campus cleaning activity on 09/01/2023

- Tree Plantation in the Campus:-



* Photographs of Tree Plantation in the Campus

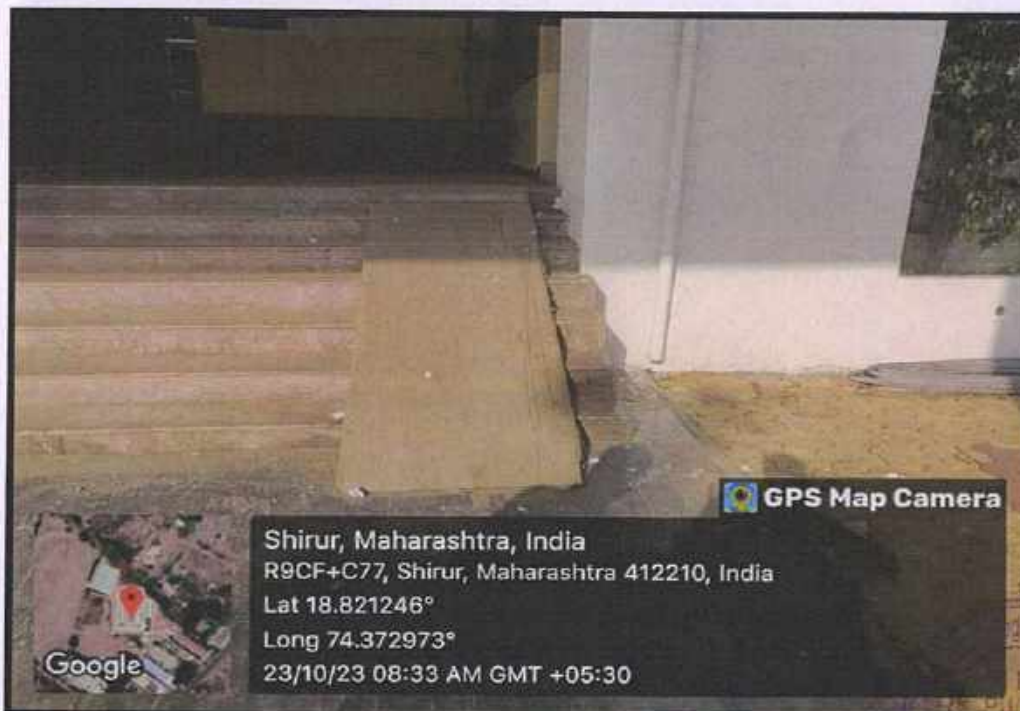
5. Disabled- Friendly barrier Free environment:-

- **Washroom for Disabled Students -**



*** Photograph of Washroom for Disabled Students**

- **Ramp Facility in the Campus:-**



*** Photograph of Ramp on the Staircase of D- building**





*** Photograph of Ramp near Gymkhana**

[Signature]
Co-Ordinator
 IQAC

Chandmal Tarachand Bora College
 of Arts, Commerce and Science, Shirur



[Signature]
Principal

Chandmal Tarachand Bora College
 of Arts, Commerce and Science
 Shirur - Ghodnadi, District - Pune