



## KRISHNA CHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCES

Devarajugattu (Post) , Peddaraveedu (Mandal), Prakasam Dist. - 523 320.

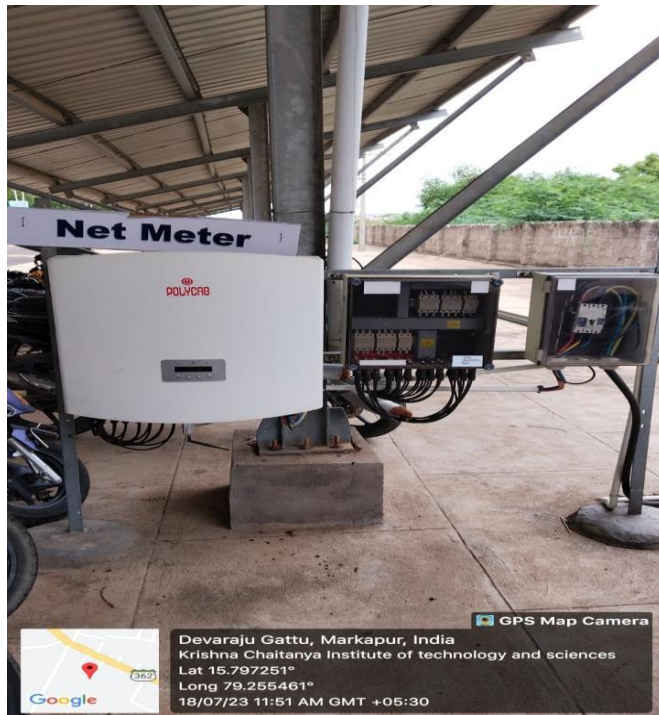
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**7.1.2.1 The Institution has facilities for alternate sources of energy and energy conservation measures :**

- a. Solar energy
- b. Biogas Plant
- c. Wheeling to the Grid
- d. Sensor-based energy conservation
- e. Use of LED bulbs/power efficient equipment

**a. Solar energy :**



**Figure 1 Roof top Solar panels, Inverters and power supply in the campus**

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### b. Biogas Plant:

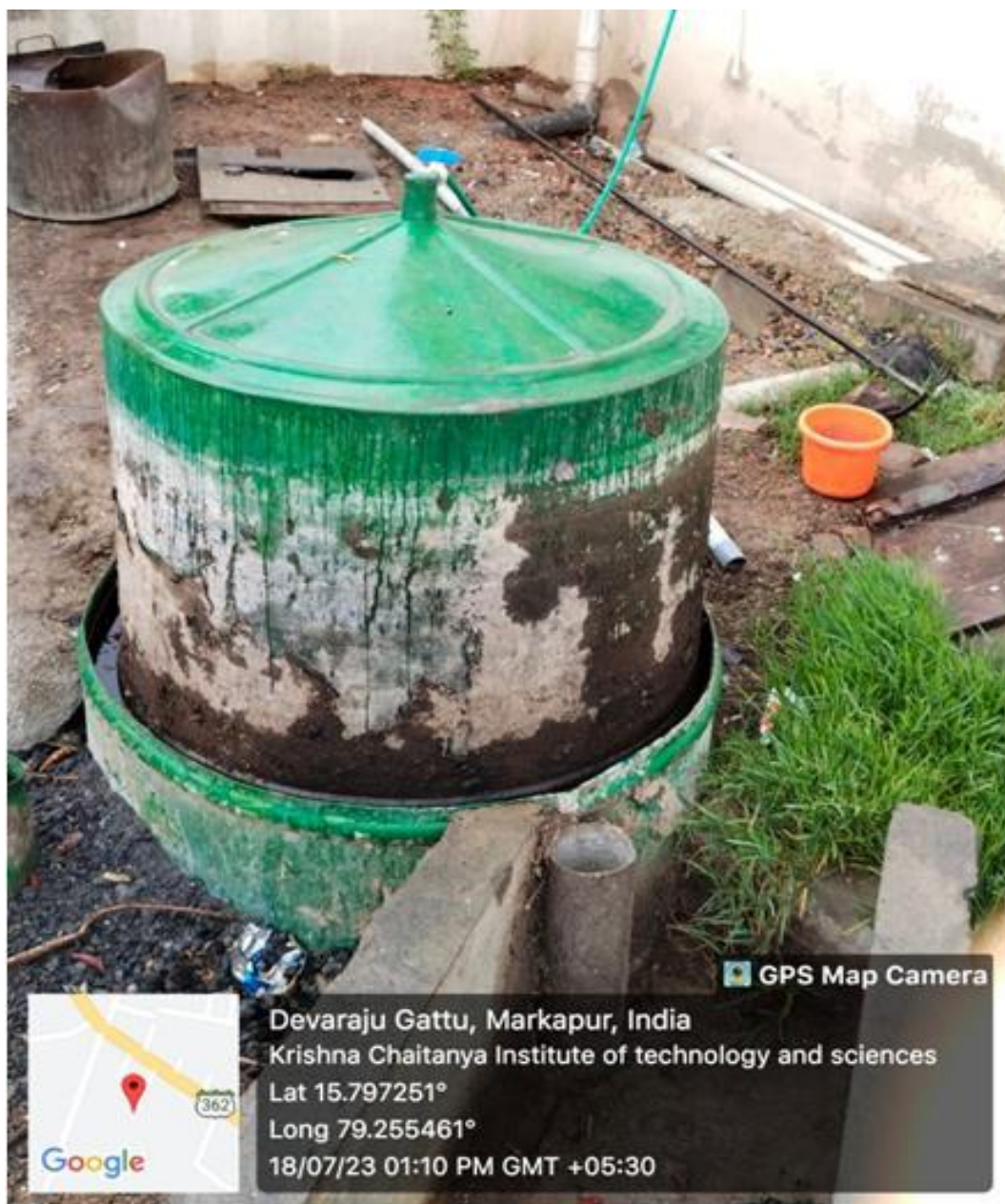


Figure Biogas/Gobar gas plant

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### c. Wheeling to the Grid :



Figure Solar meter


<b>Anurag Sol Energy Solutions</b> Address: 37A84FA2405D42H State Name: Andhra Pradesh, Code: 37		Delivery Note Supplier's Ref. Supplier's Order No. Customer's Document No. Consignment through Terms of Delivery		1-May-2019 Mode/Means of Payment Other Reference(s) Date Delivery Note Date Destination	
<b>Super</b> <b>Anura Educational Society</b> Devarajugattu(V) Peddaraveedu(M) Markapur State Name : Andhra Pradesh, Code: 37					
Description of Goods		Quantity	Rate	per	Amount
1 250kw Solar Roof Top System					55,33,809.52
Out Put Cgst2.5%					2,38,595.34
Out Put Sgst2.5%					2,38,595.34
Total					₹ 1,00,00,000.00
Amount Chargeable (in words) INR One Crore Only		E & O E			
Declaration We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.		for Anurag Sol Energy Solutions 			
This is a Computer Generated Invoice					

Figure Solar plant invoice

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### d. Sensor-based energy conservation



*Fig: Solar Panel with Sensor lights at entrance*

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### e. Use of LED bulbs / power efficient equipment:



LED bulbs at Classroom



Energy star rated equipment

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Diesel Generator

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7.1.2.2 The facilities in the Institution for the management of the following types of degradable and non-degradable waste.

- Solid waste
- Liquid waste
- Bio-medical waste
- E-waste.

### Solid waste



*Figure Solid waste liquid waste management facility on campus*





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Sanitary waste bin

E- waste bin





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Fig : Collection of Solid waste



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Fig : Collection of Solid waste





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### **Liquid waste**



**Liquid Waste through water pipeline**

### **E-Waste**



**E-waste**



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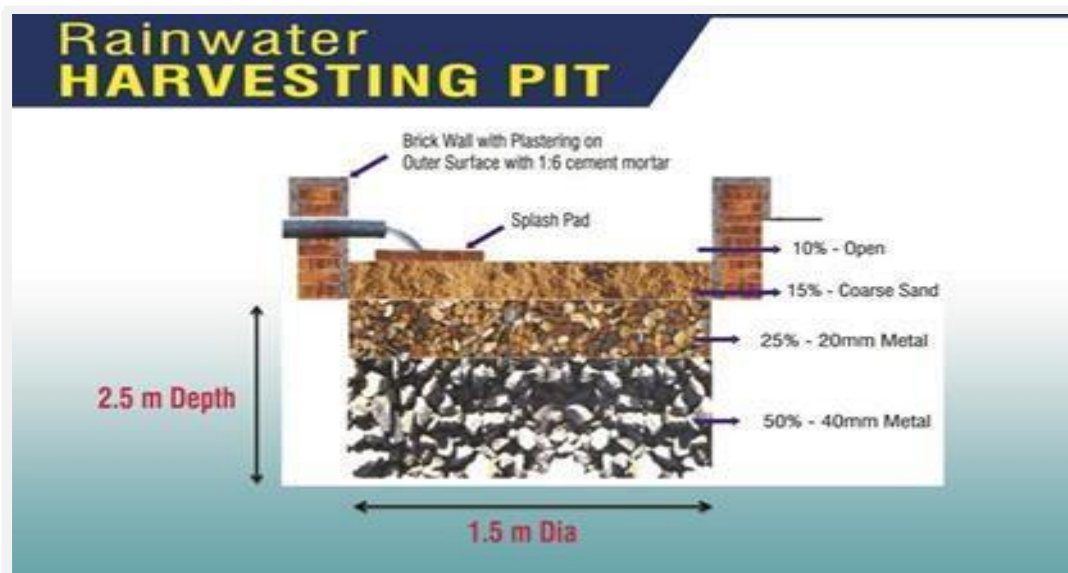
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### 7.1.2.3 Water conservation facilities available in the Institution:



*Fig 1: Different building roofs with rain water holding capacity*

#### 1. Rain water Harvesting:



*Fig 2: Rain water harvesting ditch design used in campus*





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*Fig 3: Water conservation facilities in campus*



*Fig 4 : Rainwater harvesting Ditch-1 at Canteen Backside*

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*Fig 5 : Rainwater harvesting Ditch-2 at C-Block*



*Fig 6: Rainwater harvesting Ditch-3 at Security Opposite*

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*Fig 7: Rainwater harvesting Ditch-4 at Entrance*



*Fig 8: Rainwater harvesting Ditch-5 at A-Block Opposite*

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### 2. Bore well/ Open well recharge:

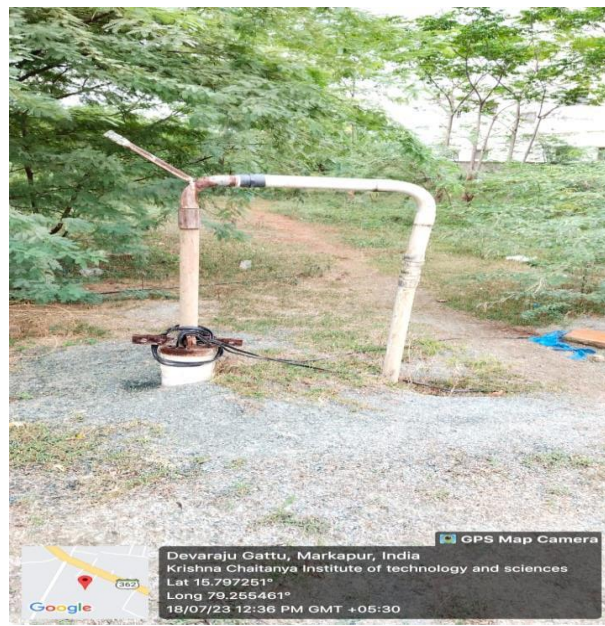


Fig9: Bore wells in campus

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### 3. Construction of tanks and bunds



*Fig10: Sump located before Boys hostel*



*Fig 11 : Overhead Water tank at Block-A*



*Fig 12: overhead water tank at Canteen*

  
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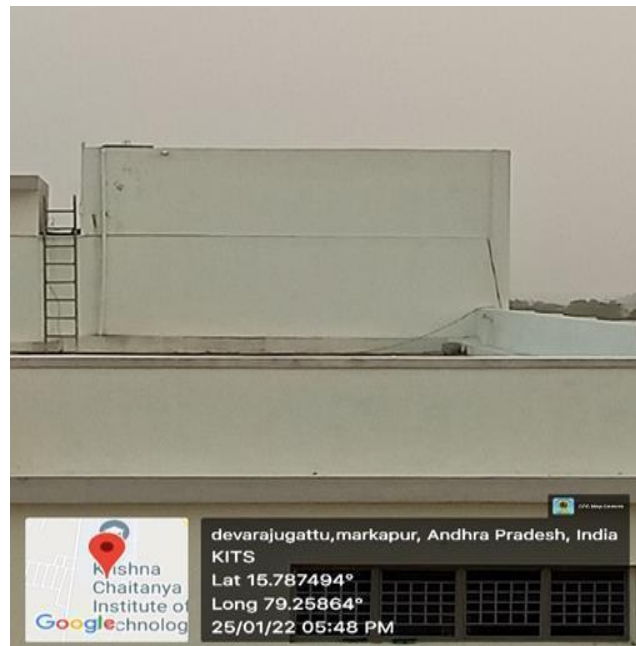
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*Fig 13: overhead water tank at Block C*



*Fig 14: overhead water tank at Hostel*

### 4. Waste water recycling



*Fig15 : Waste management in campus for solid and liquid waste*

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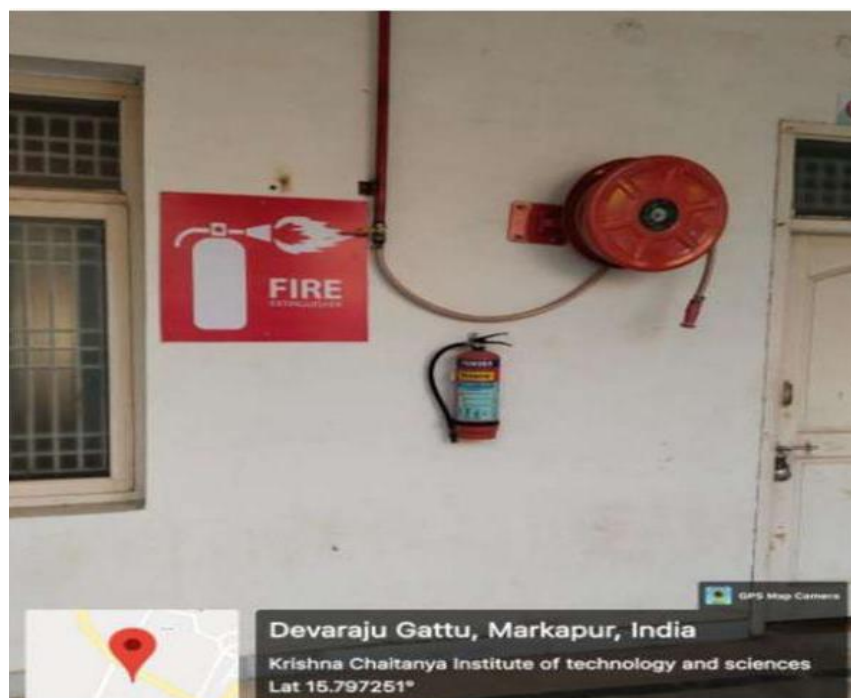
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### 5. Maintenance of water bodies and distribution system in the campus



*Fig 16: Water distribution utility System in campus*



*Fig17 : Water distribution utility System in campus*

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*Fig 18: Sprinklers watering for gardening in A-Block*



*Fig 19: Drip irrigation system for gardening*



*Fig 20: Drinking water connection directly from RO plant (distribution)*

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*Fig 21: RO plant in KITS campus*

  
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Fig 22: Water distribution in campus

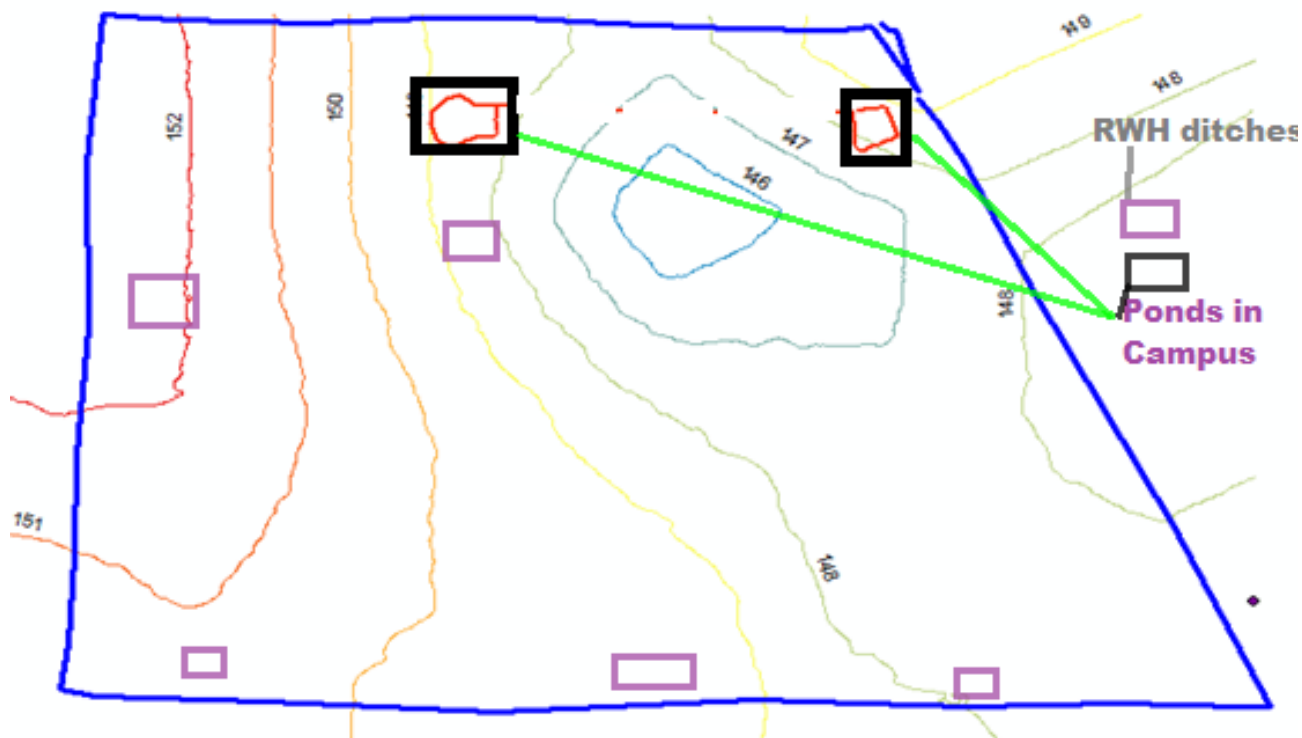


Fig 23: Water bodies or ponds constructed based on contour levels in campus

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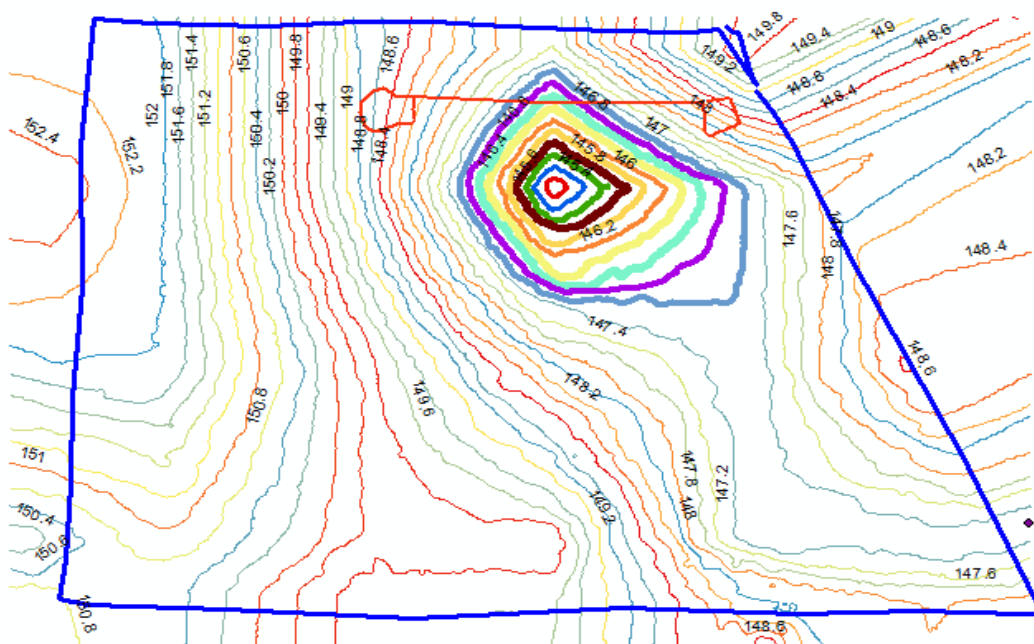
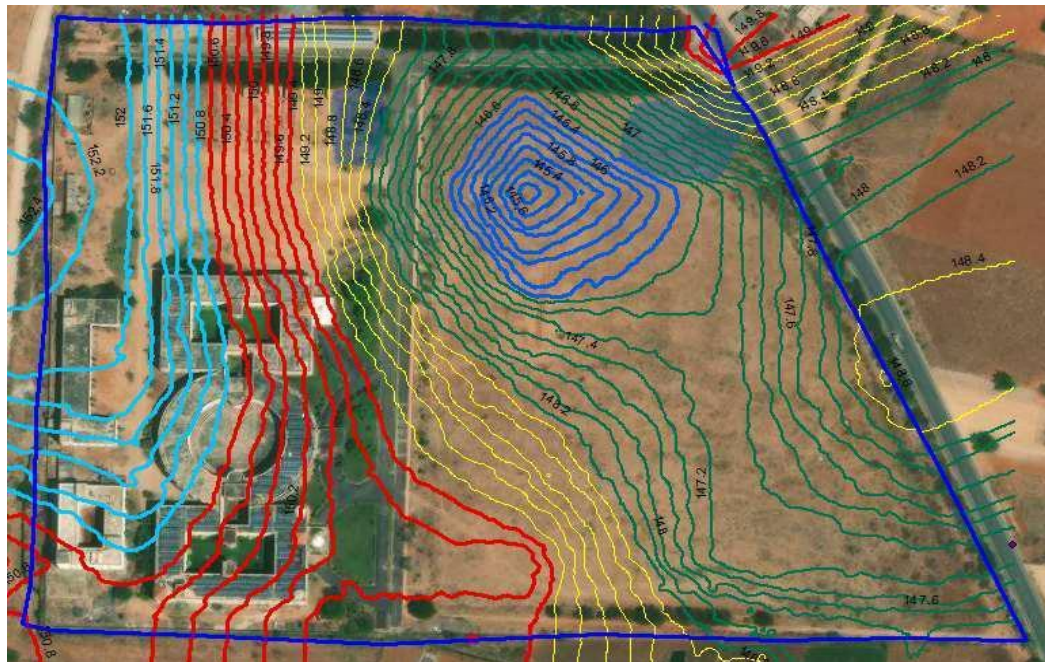


Fig 24: Contour maps of KITS College

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## 7.1.2.4 GREEN CAMPUS INITIATIVES

### 1. Restricted entry of automobiles



*Fig 1: Restricted entry of vehicles into campus*



*Fig 2: Restricted entry of vehicles into campus*

  
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*Fig 3: Vehicle parking at college entrance*



*Fig 4: Parking area*

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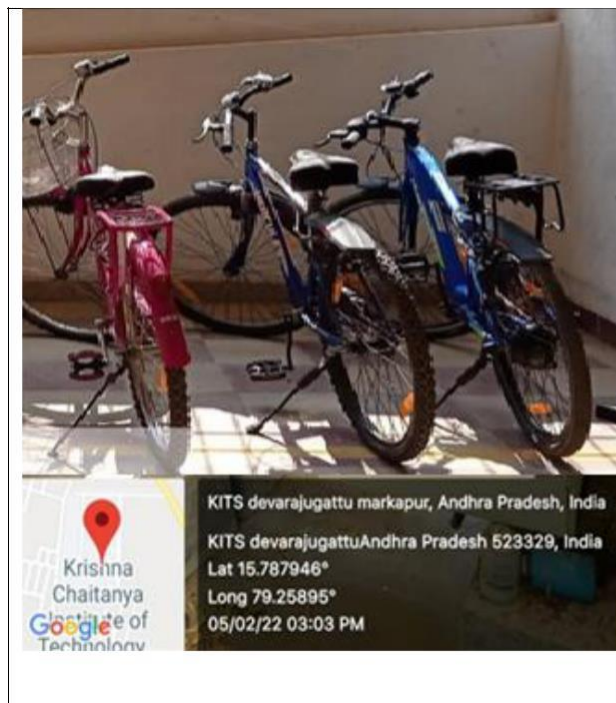
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### 2. Use of Bicycles/Battery powered vehicles



*Fig 5: Bicycle in the campus*



*Fig 6: Battery operated vehicles of Student*



*Fig 7: Battery operated vehicles of staff*

  
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## 3. Pedestrian Friendly pathways



*Fig 8: Pedestrian friendly pathways from the entrance of the college*

  
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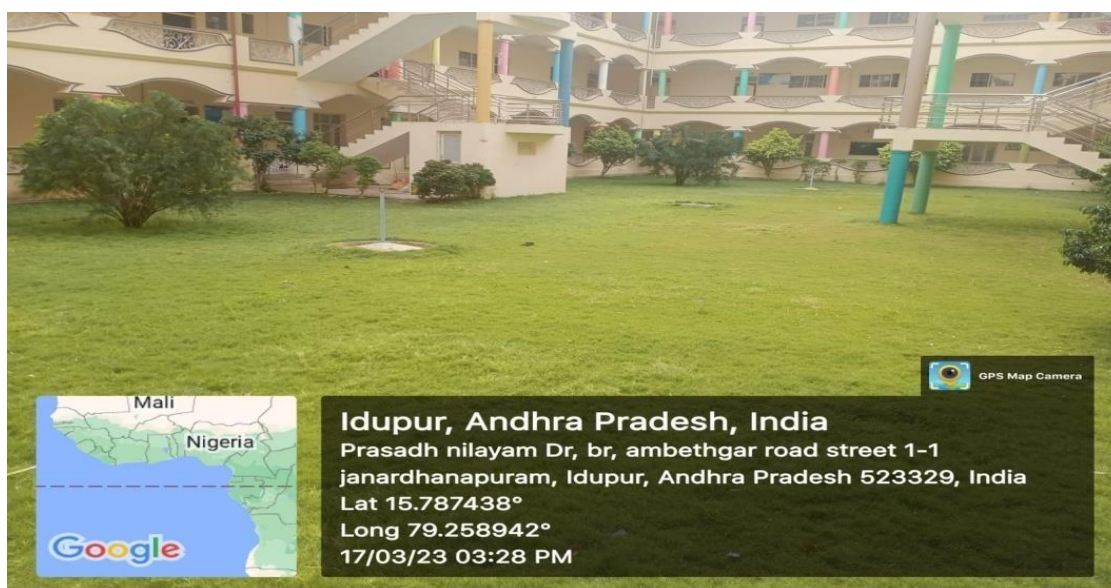
#### 4. Ban on use of Plastic



*Fig9 :Posters encouraging no plastic policy in campus*

*Fig 10 :Posters encouraging to stop using single use plastic*

#### 5. Landscaping with trees and plants







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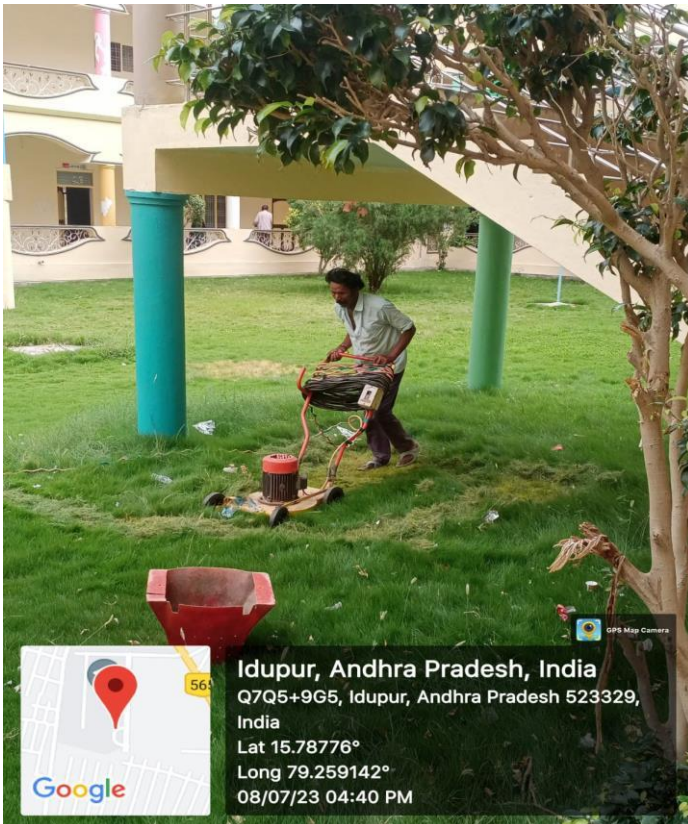
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*Fig 11: Green lawns at A-Block*



*Fig 12: Landscaping of Grass and Trees in campus*

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*Fig13: Green lawns in campus at A-Block*



*Fig 14: Green lawns in campus at B-Block*

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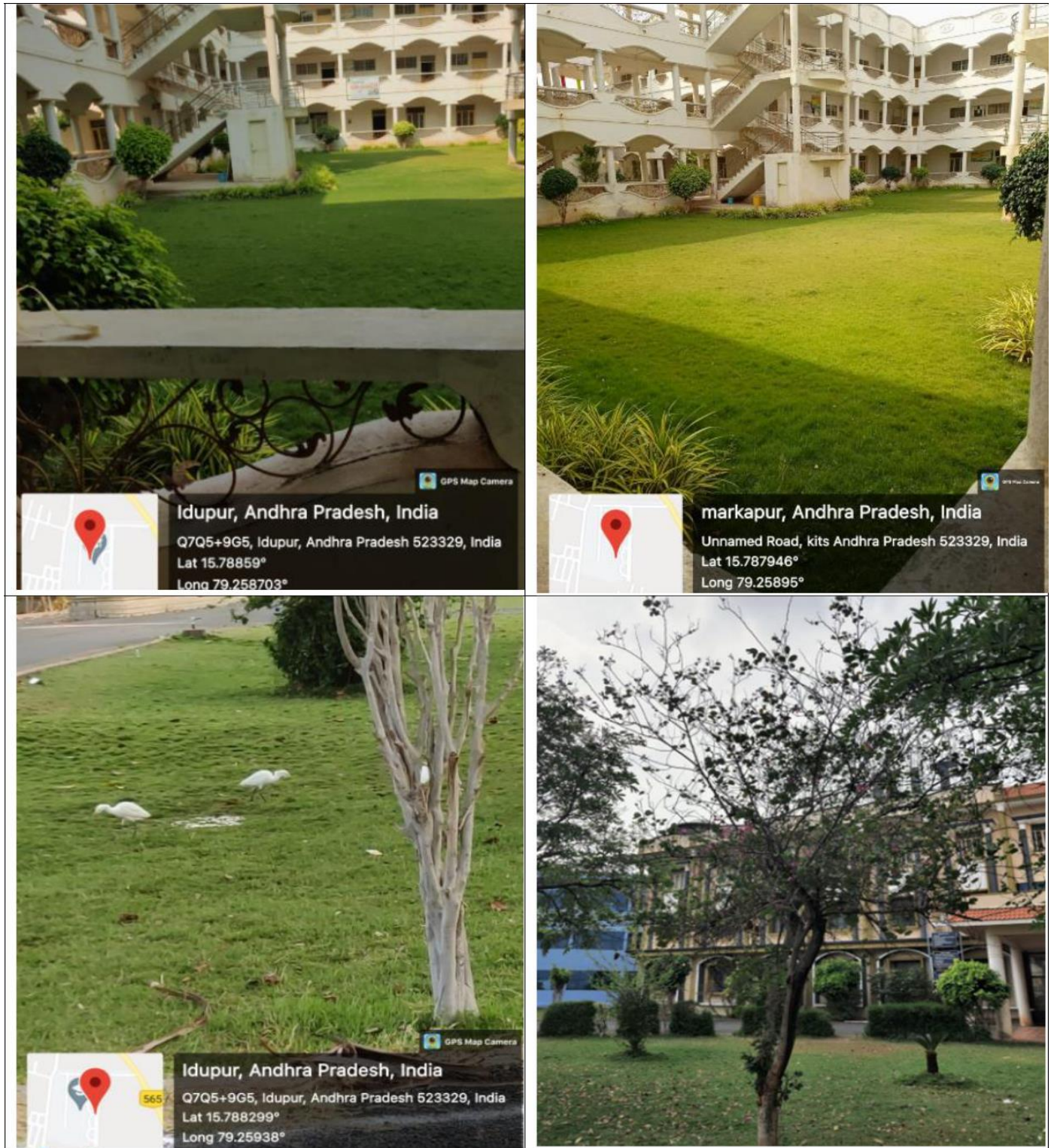


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*Fig 15: Green lawns in campus at C-Block*

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### 7.1.2.5 The Institution has disabled-friendly, barrier free environment

#### ❖ Built environment with ramps/lifts for easy access to class rooms

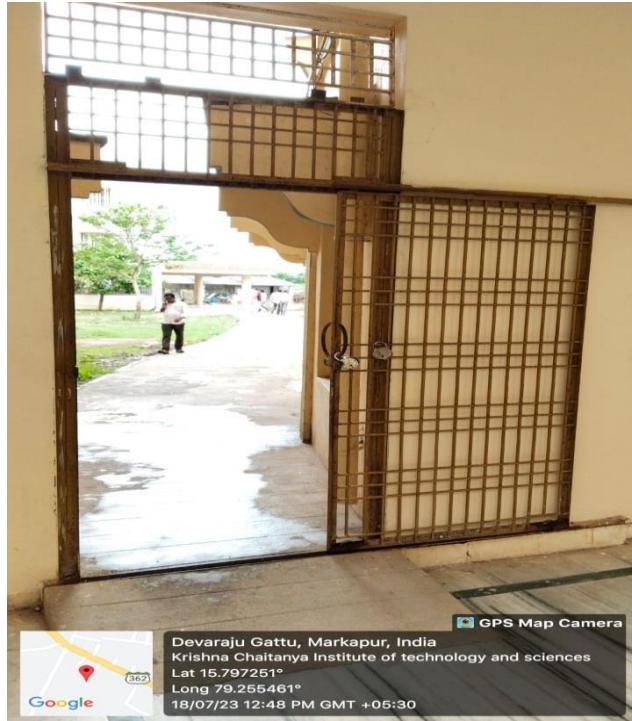


Figure 1 ramps for easy access to canteen and library

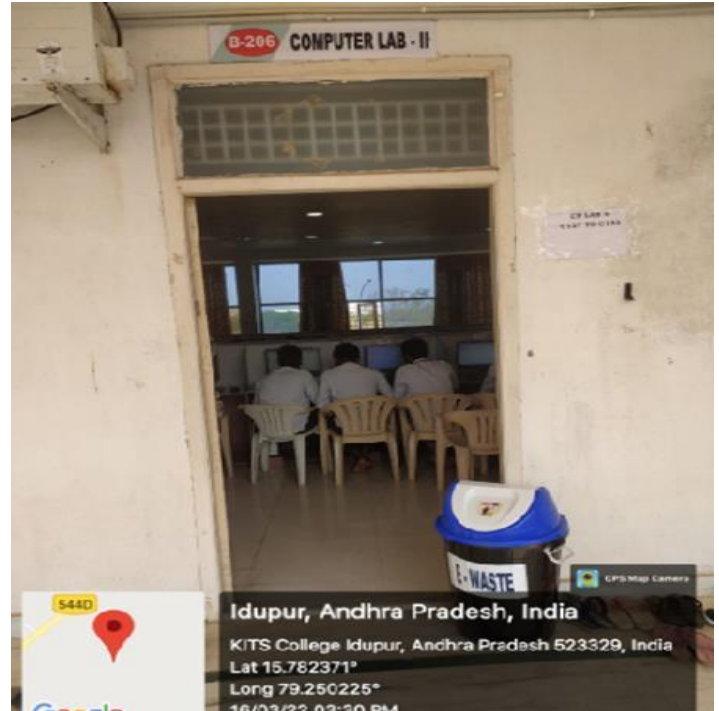


Figure 2 Barrier free class rooms/laboratories

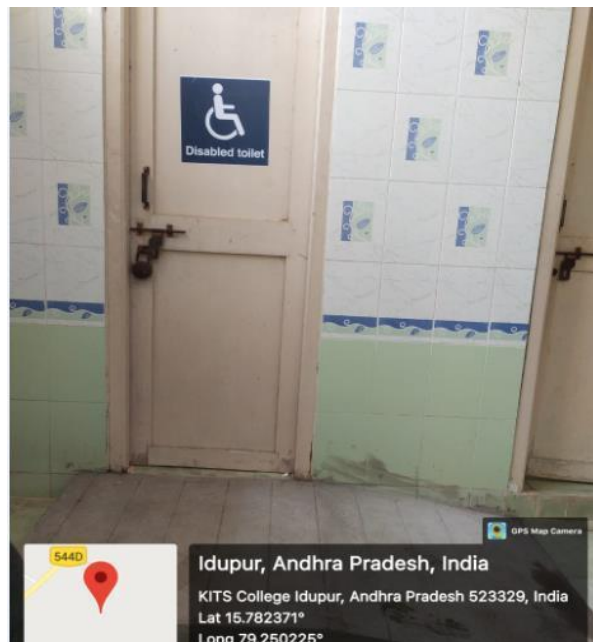


Figure 3 Disabled-friendly washrooms

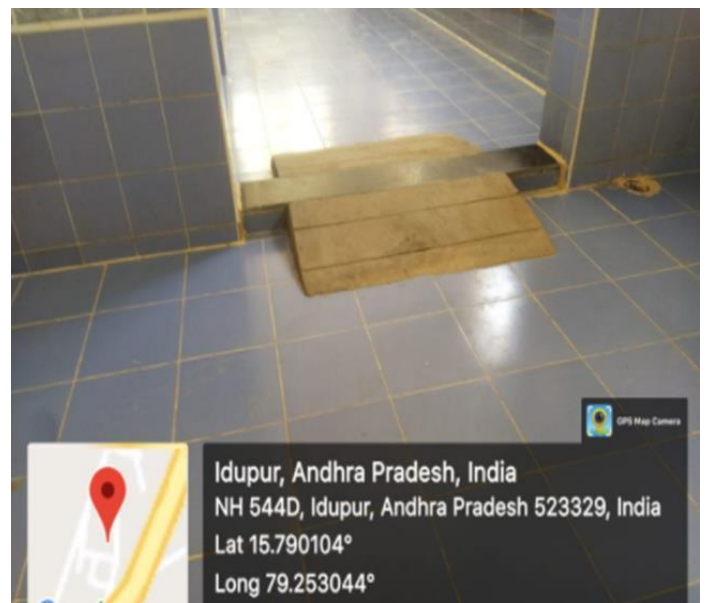


Figure 4 Reserved, disable friendly washrooms with ramp for easy access

  
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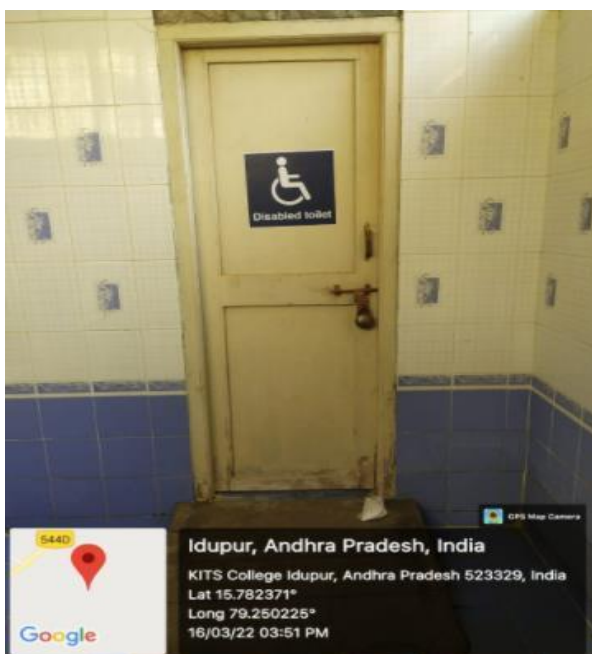
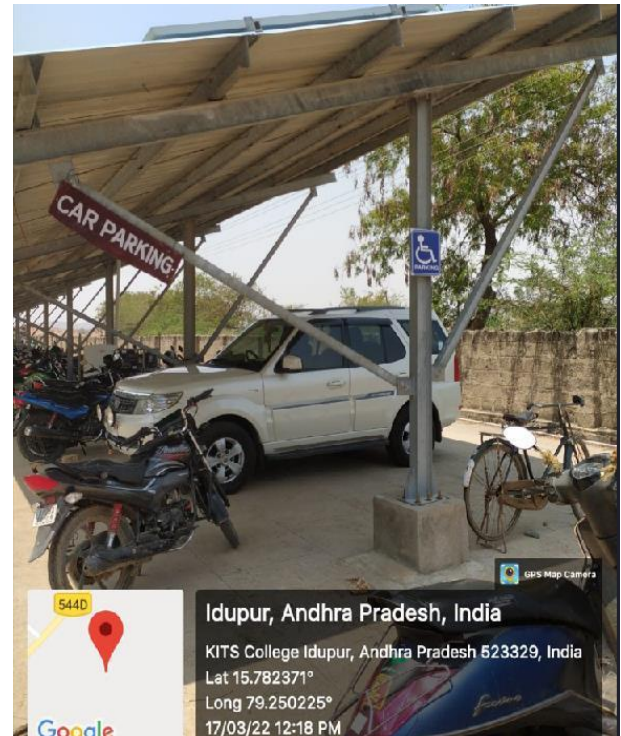
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### ❖ Signage including tactile path, lights, display boards and sign posts



  
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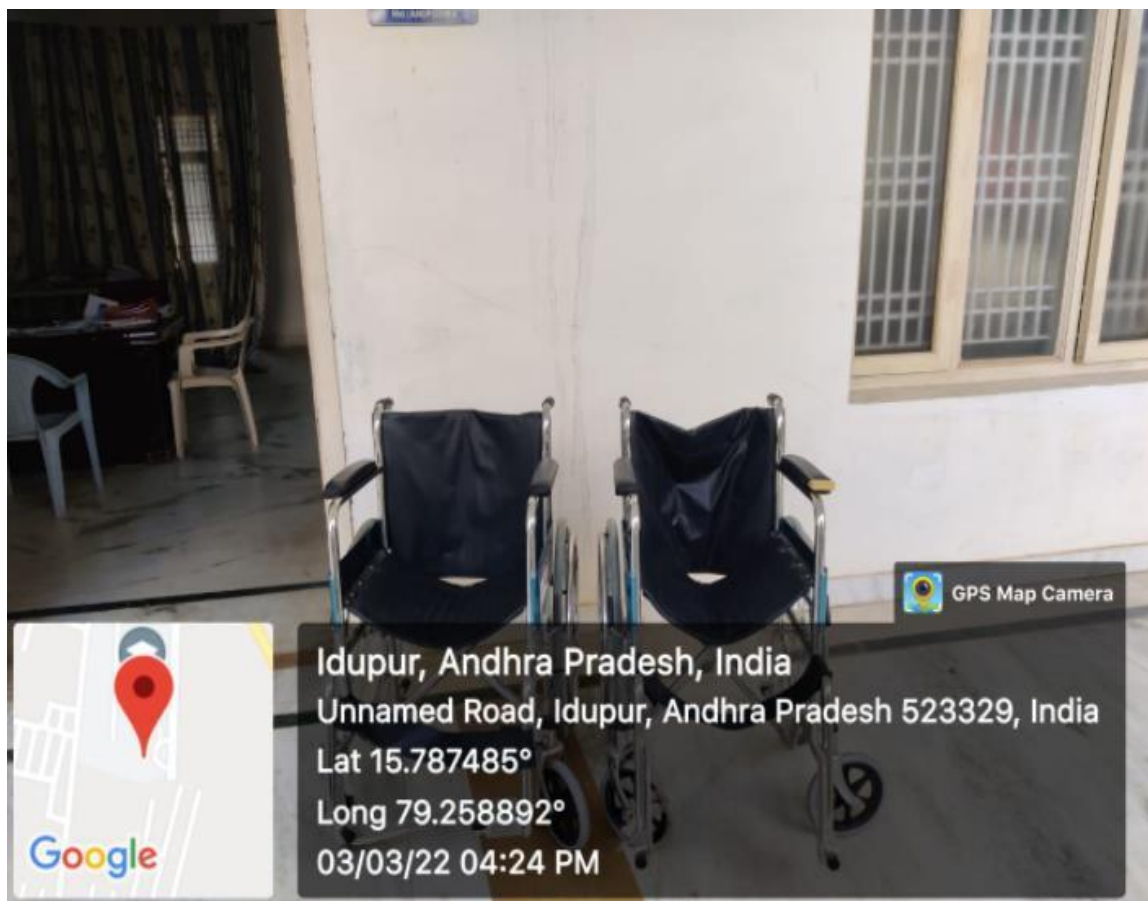


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**Fig: Wheel chair facility**

  
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