

7.1.2 Environmental Consciousness and Sustainability and divyangjan friendly

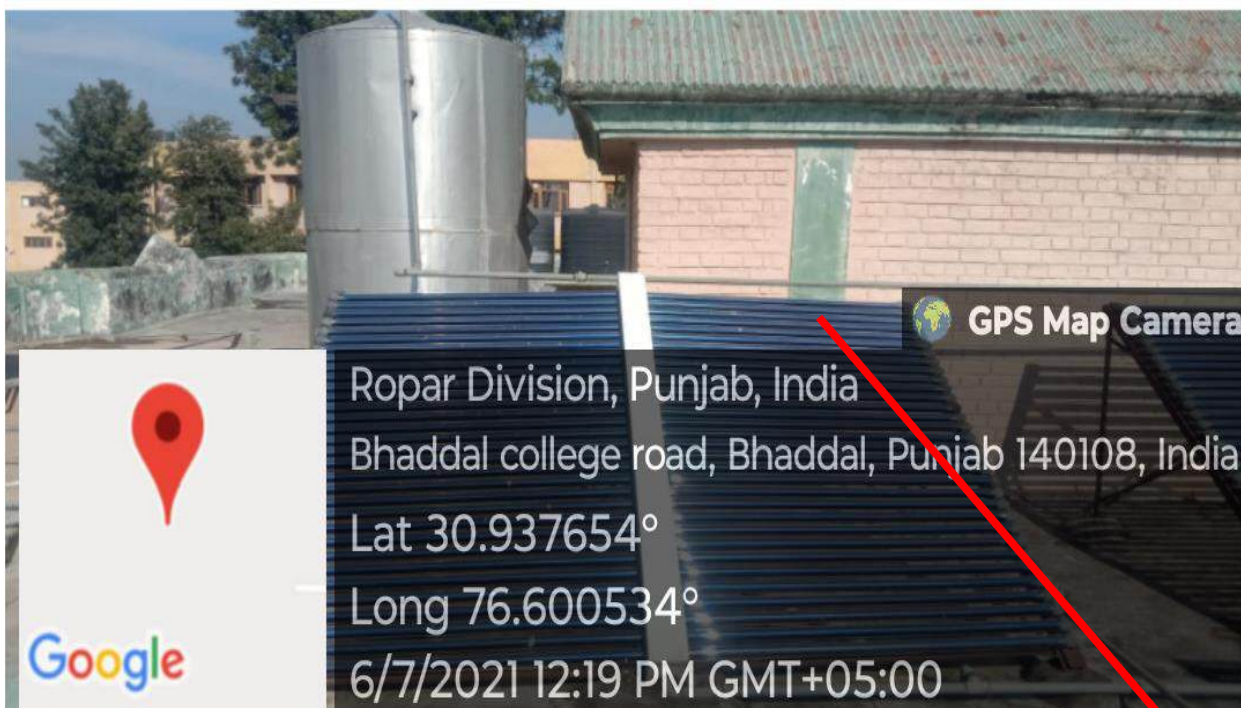
The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation
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

1. Alternate sources of energy and energy conservation

Solar energy is produced by the sun's light - photovoltaic energy which offers many benefits that make it one of the most promising energy.

Solar heaters have been fitted in girls and boys hostels for their use. This is the renewable use of energy which is pollution free. There are 5 solar heaters with 500 litre capacity each. There are 60 solar lights in the campus.



SOLAR HEATER

Solar Water
Heater



SOLAR HEATER

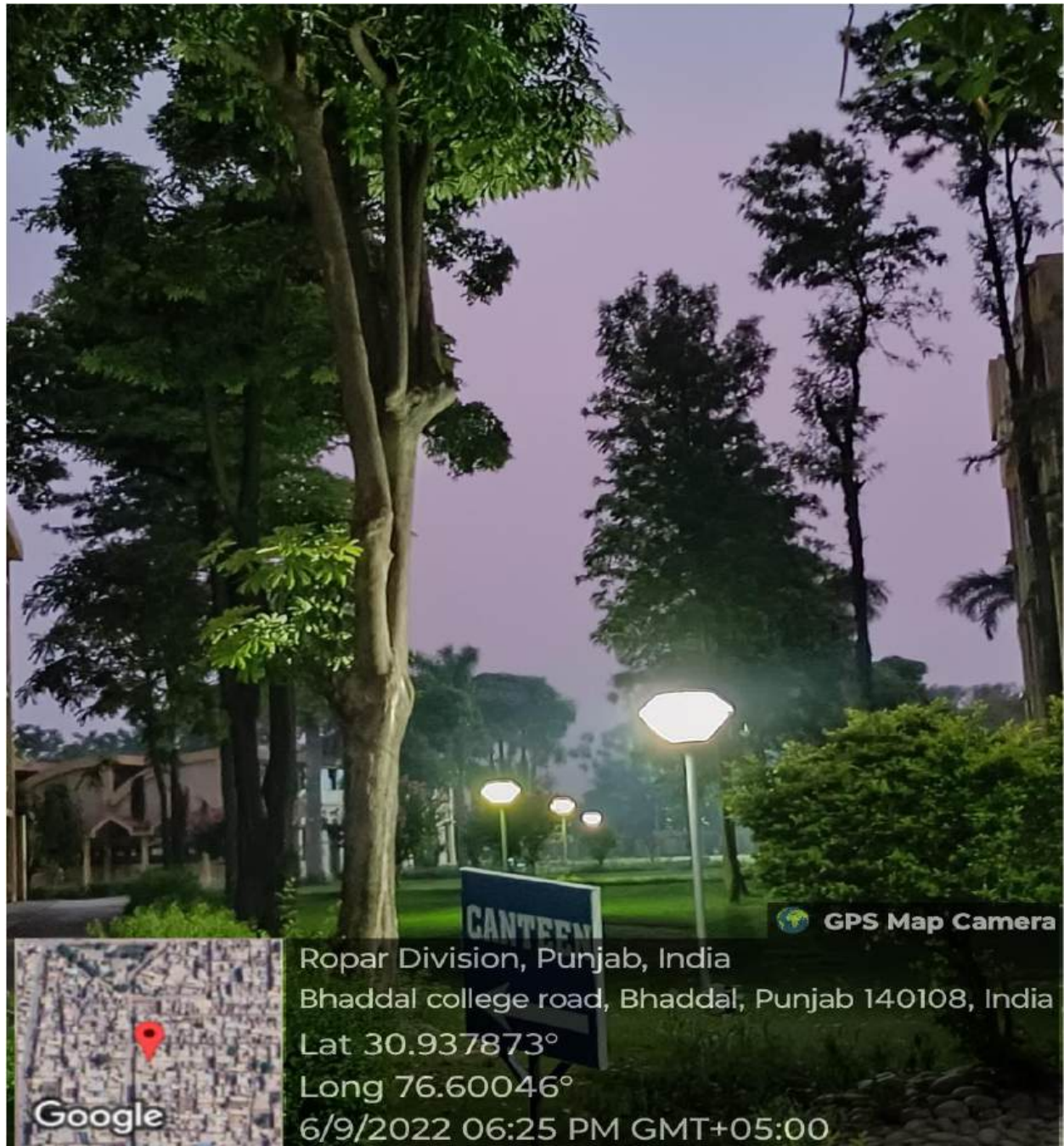


SOLAR HEATER



SOLAR LIGHTS

There is use of LED bulbs which are power efficient and use minimal electricity.
Approximately 41 LED lights are available in the campus.



LED LIGHTS



LED LIGHTS IN CONFERENCE HALL



LED LIGHTS IN CORRIDOR



LED LIGHTS IN SEMINAR HALL

2. Management of various types of degradable and non-degradable resources

IET, TECHNICAL CAMPUS BHADDAL is very conscious of generating less waste and recycling it by passing it through a system that enables the used material to be reused ensuring that less natural resources are consumed.

The college has segregated waste into three parts:

1. Solid Waste
2. Liquid Waste
3. E- Waste

Solid Waste:

The waste is generated by all sorts of routine activities carried out in the College that includes paper, plastics, glass, metals, foods, etc. The waste is segregated at each level and source. The administrative supervisor in each

block ensures that the waste in each floor is collected at designated time intervals. The block workers in each floor collect, clean, segregate and compile the waste in the dustbins (Green and Blue) provided at each floor. Green bins are for wet waste and blue bins are for dry waste. The floor dustbins are emptied in movable containers/dustbins provided for each block.

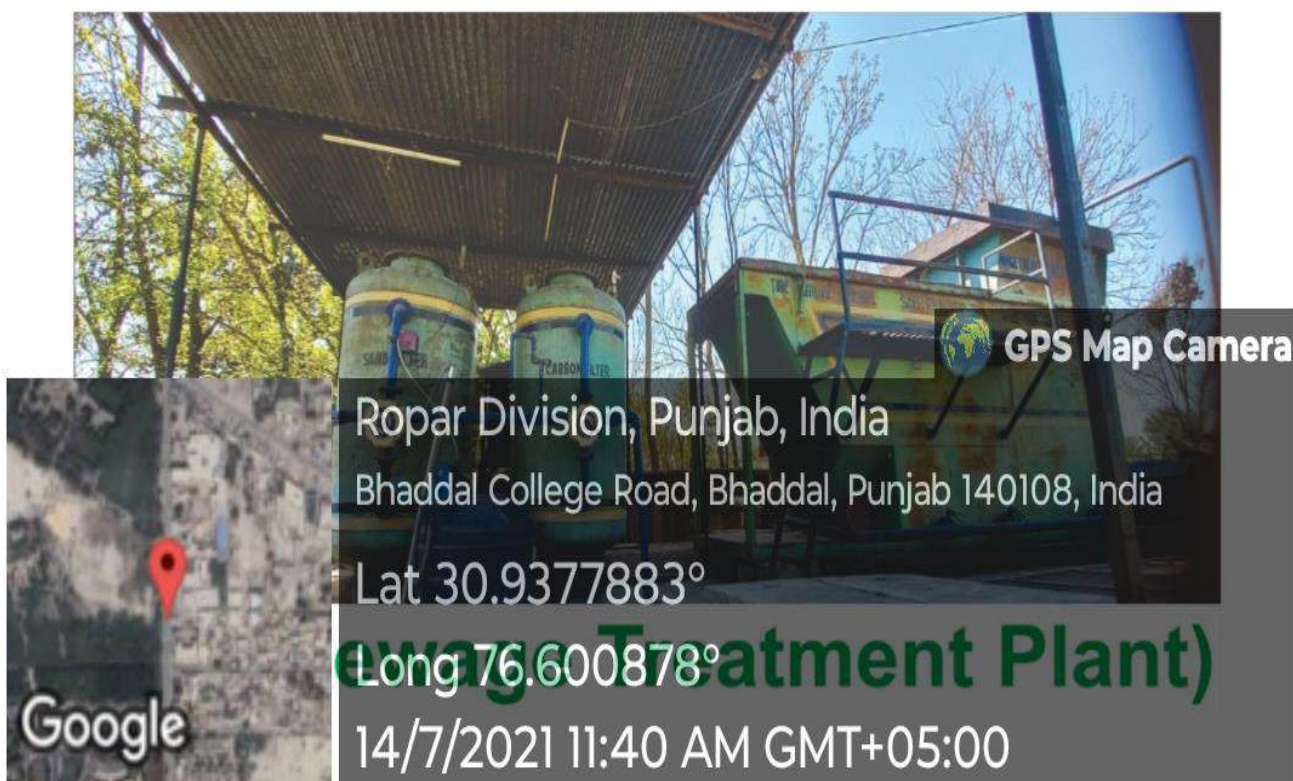
The College has contacted an authorized vendor who collects the waste from the designated place, segregates them, recycles them and disposes them.

Liquid Waste:

Liquid waste generated by the College is of two types:

1. Sewage waste
2. Laundry and cafeteria effluent waste

The above waste is treated through Sewage Treatment Plants (STPs) and the water is used for horticulture.



SEWAGE TREATMENT PLANT



SEWAGE TREATMENT PLANT



IET BHADDAL

TECHNICAL CAMPUS ROPAR

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E-Waste Management:

Flip flops, memory chips, motherboard, compact discs, cartridges etc. generated by electronic equipment such as Computer and projectors are recycled properly. Instead of buying a new machine, a buyback option is taken for technology up gradation. The e-waste generated from hardware which cannot be reused or recycled is being disposed of centrally through vendors.



Karo Sambhav Private Limited
CIN: U74999HR2016PTC083077

PRO Registration Number B-29016(6)/PRO/18/WM-III Division

To,
IET Bhaddal Technical Campus
Village-Bhaddal, P.O. Mianpur
Rupnagar, 140108
Punjab

Date: 14 Jan, 2022

KSPL/BC/2021-22/166

Sub: Pick up and Responsible Recycling of Electronic waste

This is to certify that **IET Bhaddal Technical Campus**, Punjab have transferred the ownership of their electronic waste weighing 1362.51 kg to Karo Sambhav Pvt. Ltd. On **14 Jan, 2022**.

Karo Sambhav is a tech-enabled, environmentally beneficial and socially responsible e-waste Producer Responsibility Organization (PRO).

We assure you of responsible recycling of the e-waste handed to us. Kindly find the attached Annexure with details of e-waste collected.

Thank you for taking the initiative and being a part of our Cohesive E-waste Movement!

Pranshu Singhal,
Founder and Director
Karo Sambhav Private Limited
Email: engage@karosambhav.com
Contact No.: 0124-4551068

Karo Sambhav Private Limited

Address - 408-409, Suncity Business Tower, 4th Floor, Sector-54, Gurugram, Haryana. Pin Code -122002

Email - engage@karosambhav.com

Web - www.karosambhav.com

E-WASTE RECYCLED CERTIFICATE BY KARO INDUSTRY

Phone no: +91-1881-244777, 244606, Fax: 01881-244749

Email : info@ietbhaddal.edu.in | Website: www.ietbhaddal.edu.in

Karo industry has CIN(Corporate Identification Number)/LLPIN(Limited Liability Partnership Identification Number) as U74999HR2016PTC083077 and company no. is 083077. It focuses on e-waste recycling.

Annexure: List of e-waste collected from **IET Bhaddal Technical Campus, Punjab**

Dated: 14 Jan, 2022

Sr. No	ITEW Category as per e-waste (management) rules 2016	Item Description	Quantity of e-waste generated (in kg)
1	ITEW 2	CPU	477.51
2	ITEW2-Mixed Components of Desktops	CPU Cabinet	48.32
3	ITEW 2	CRT Monitor	615
4	ITEW 2	TFT Monitor	43.74
5	ITEW 6	Printer	60.67
6	ITEW 6	Toner	1.35
7	ITEW 2	Keyboard	39.42
8	ITEW 2	Mouse	4.46
9	ITEW 3	Adapter	2.07
10	ITEW 2	SMPS	16.31
11	ITEW2-Mixed Components of Desktops	CD ROM	2.11
12	ITEW2-Mixed Components of Desktops	Motherboard	1.32
13	GENERAL E-waste Mixed Components	Speaker	2.11
14	ITEW2-Mixed Components of Desktops	Ram	0.15
15	ITEW2-Mixed Components of Desktops	CPU Fan	2.53
16	ITEW2-Mixed Components of Desktops	Lan Card	1.52
17	ITEW2-Mixed Components of Desktops	Projector	20.78
18	ITEW 1	VGA and other cables	23.14
Total			1362.51 kg

E-WASTE COLLECTED BY KARO INDUSTRY



Certificate of Appreciation

Awarded to IET Bhaddal Technical Campus, Punjab
for disposing of e-waste to Karo Sambhav for responsible recycling.

Thank you for joining the cohesive e-waste movement.



Pranshu Singhal
Founder and Director
Karo Sambhav

CERTIFICATE OF APPRECIATION

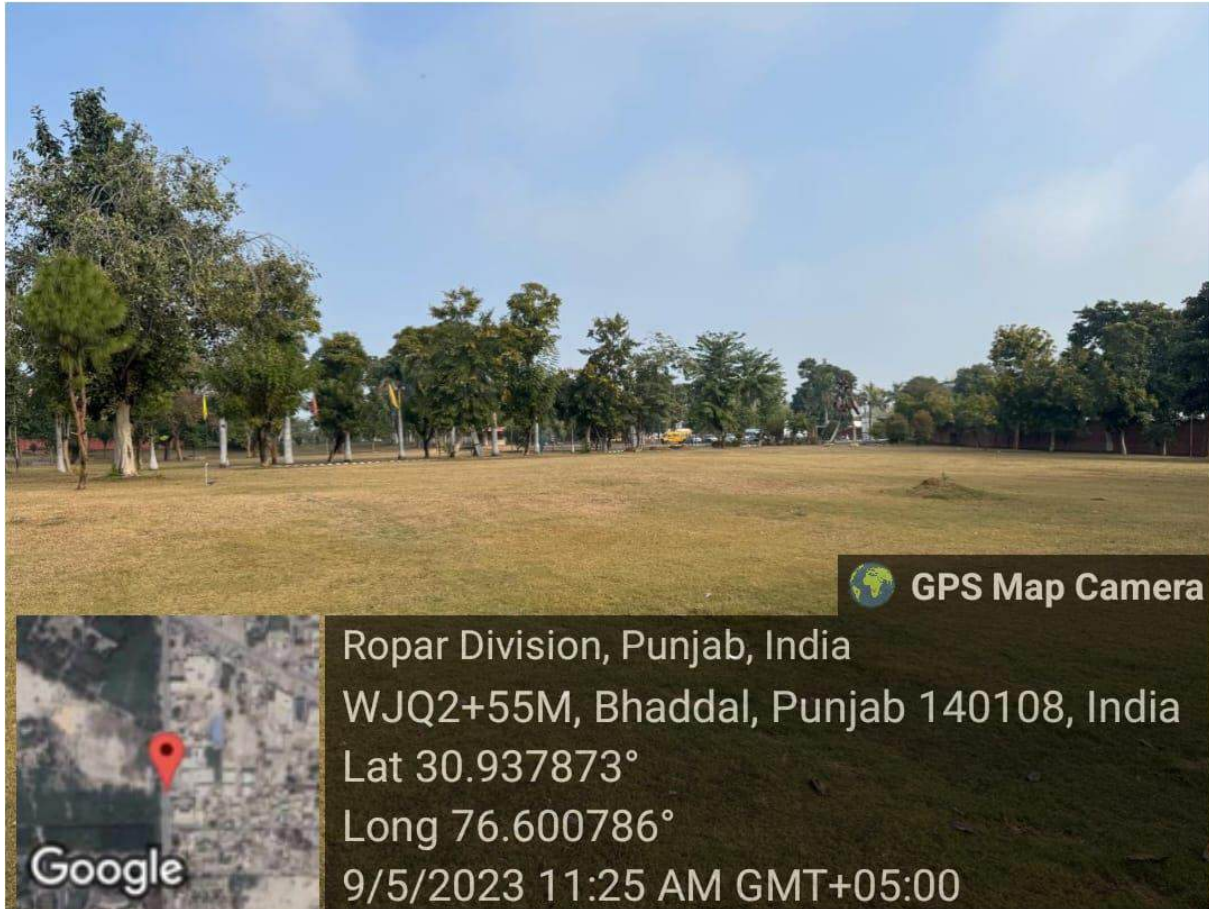
A certificate of appreciation was also given by Karo Sambhav for responsible recycling of e –waste.



DUSTBIN



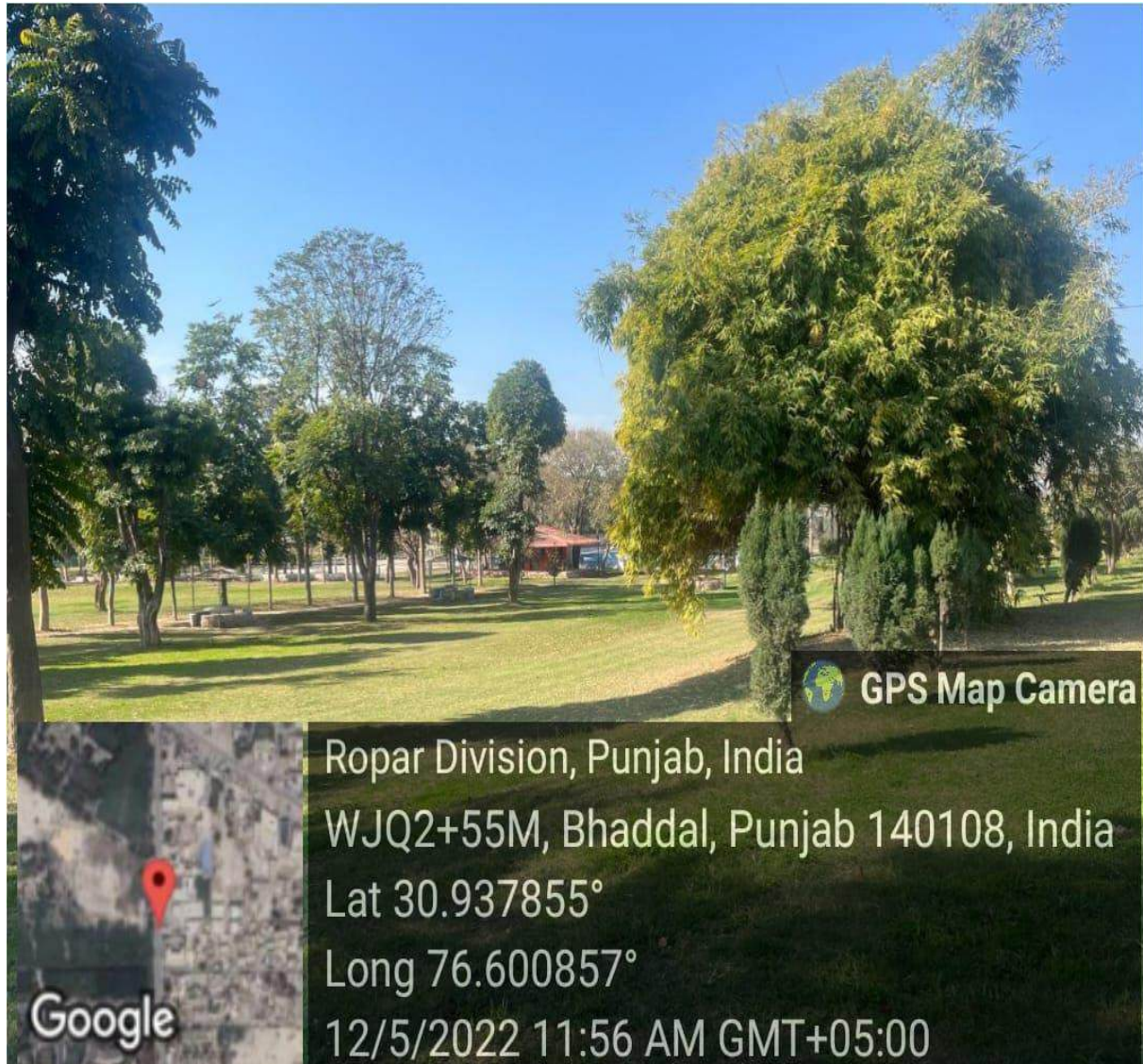
LANDSCAPING



LANDSCAPING



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LANDSCAPING



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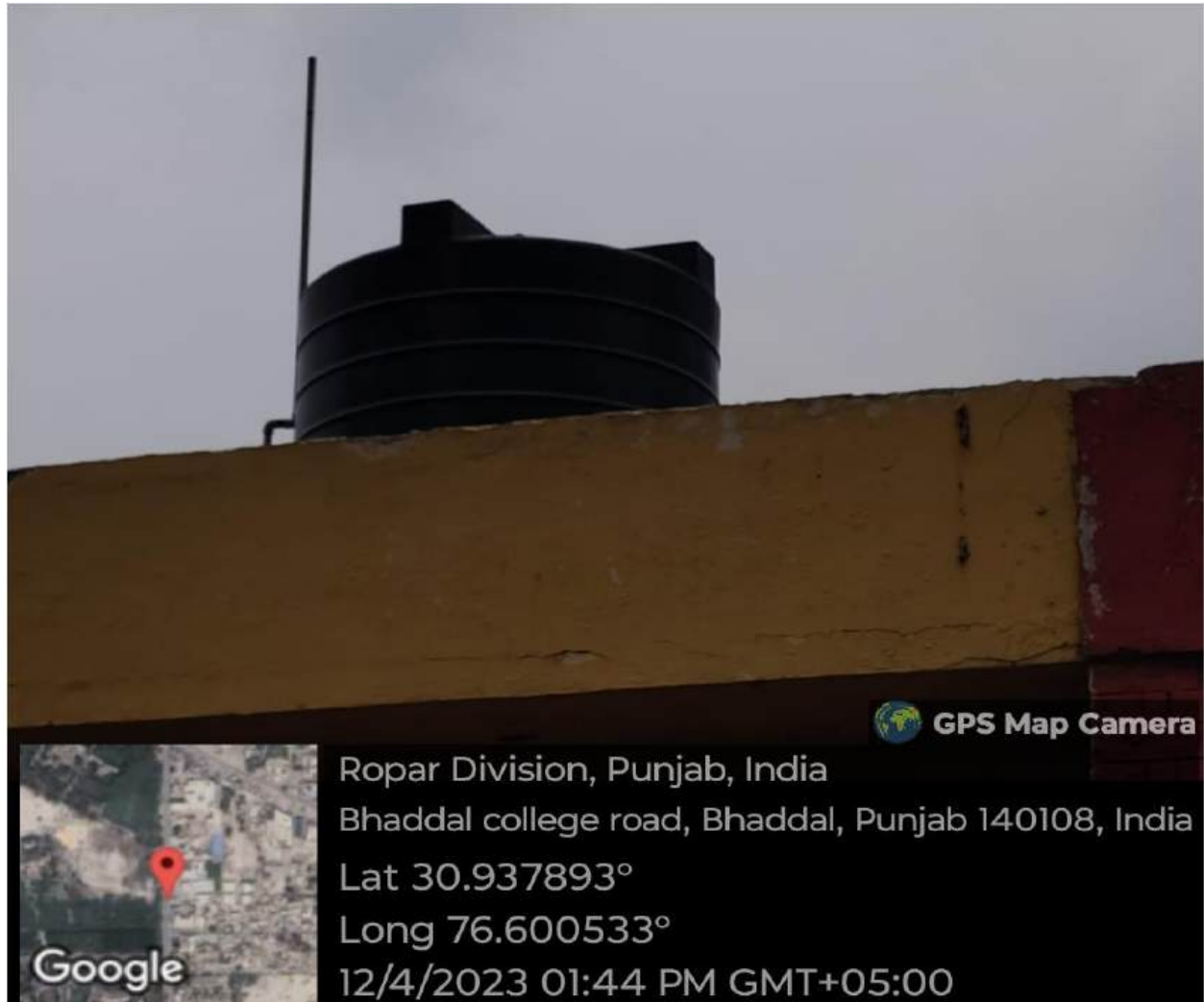


LANDSCAPING

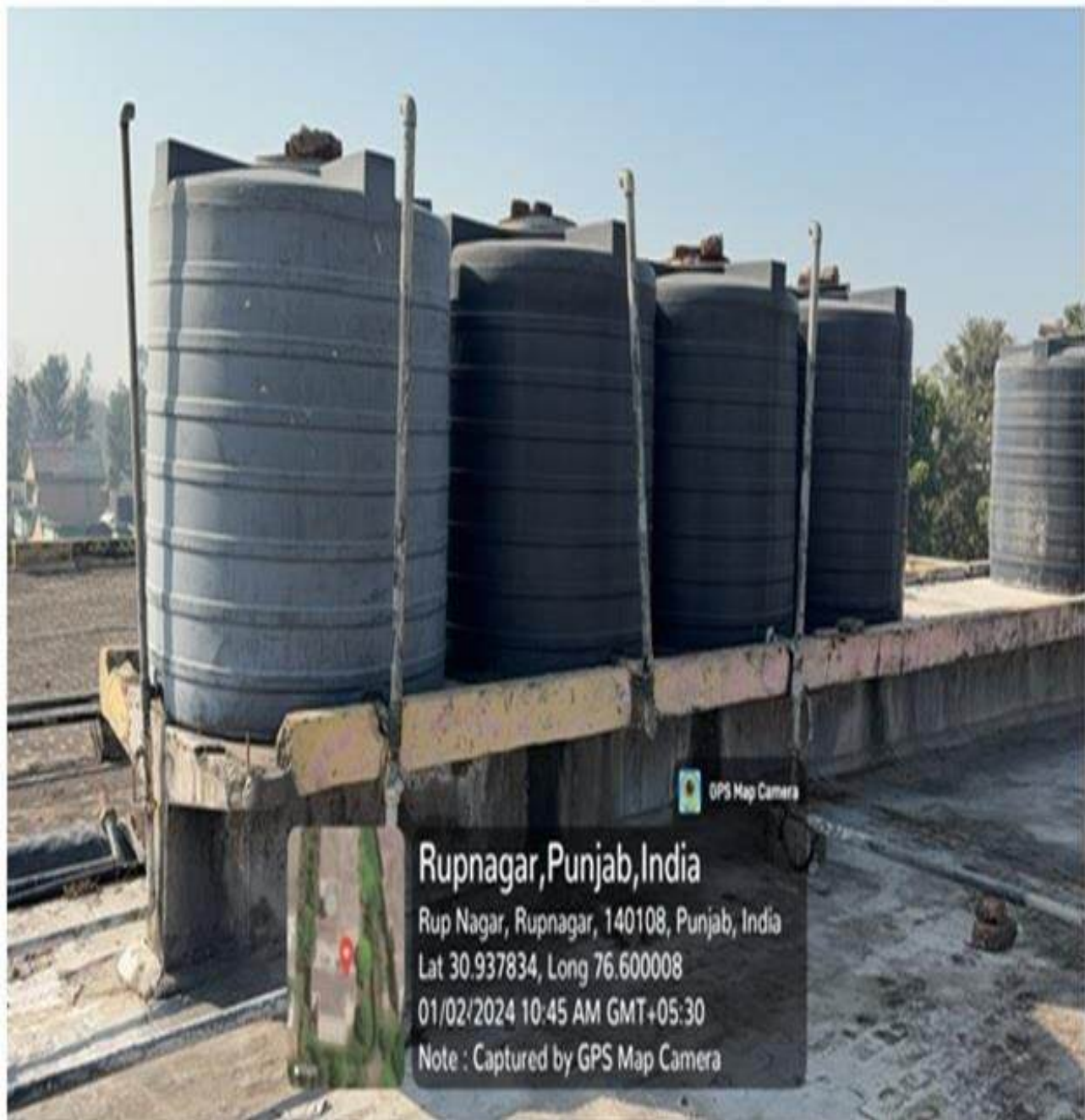


LANDSCAPING

3. Water conservation



WATER TANK



CONSTRUCTION OF TANKS AND BUNDS



USE OF RECYCLED WATER FOR IRRIGATION OF LAWNS



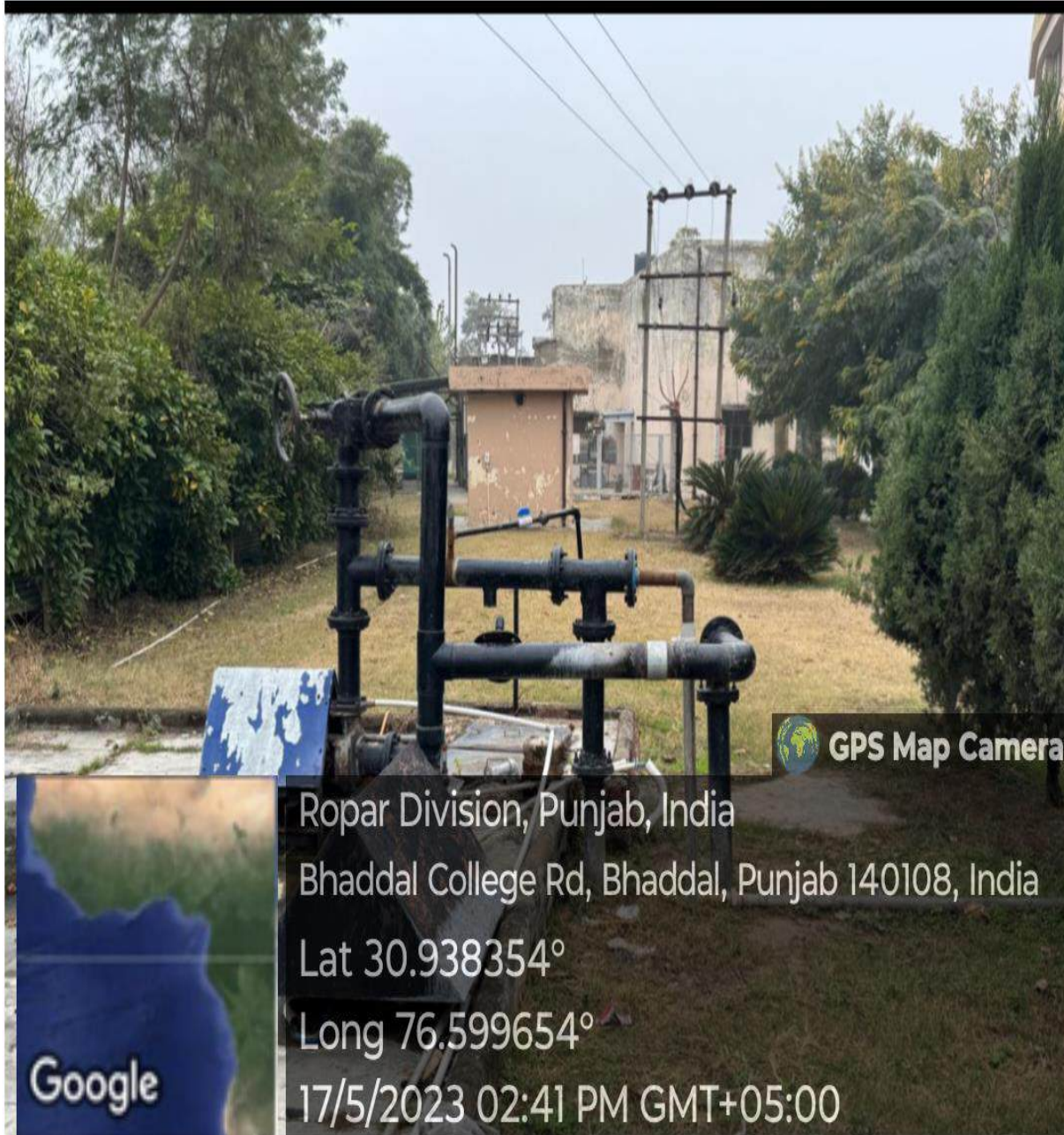
USE OF WATER COOLER WASTE FOR IRRIGATION



RAIN WATER HARVESTING



RAIN WATER HARVESTING



BOREWELL RECHARGE

4.Green campus initiative

On the occasion of Yoga day a tree plantation drive was also done



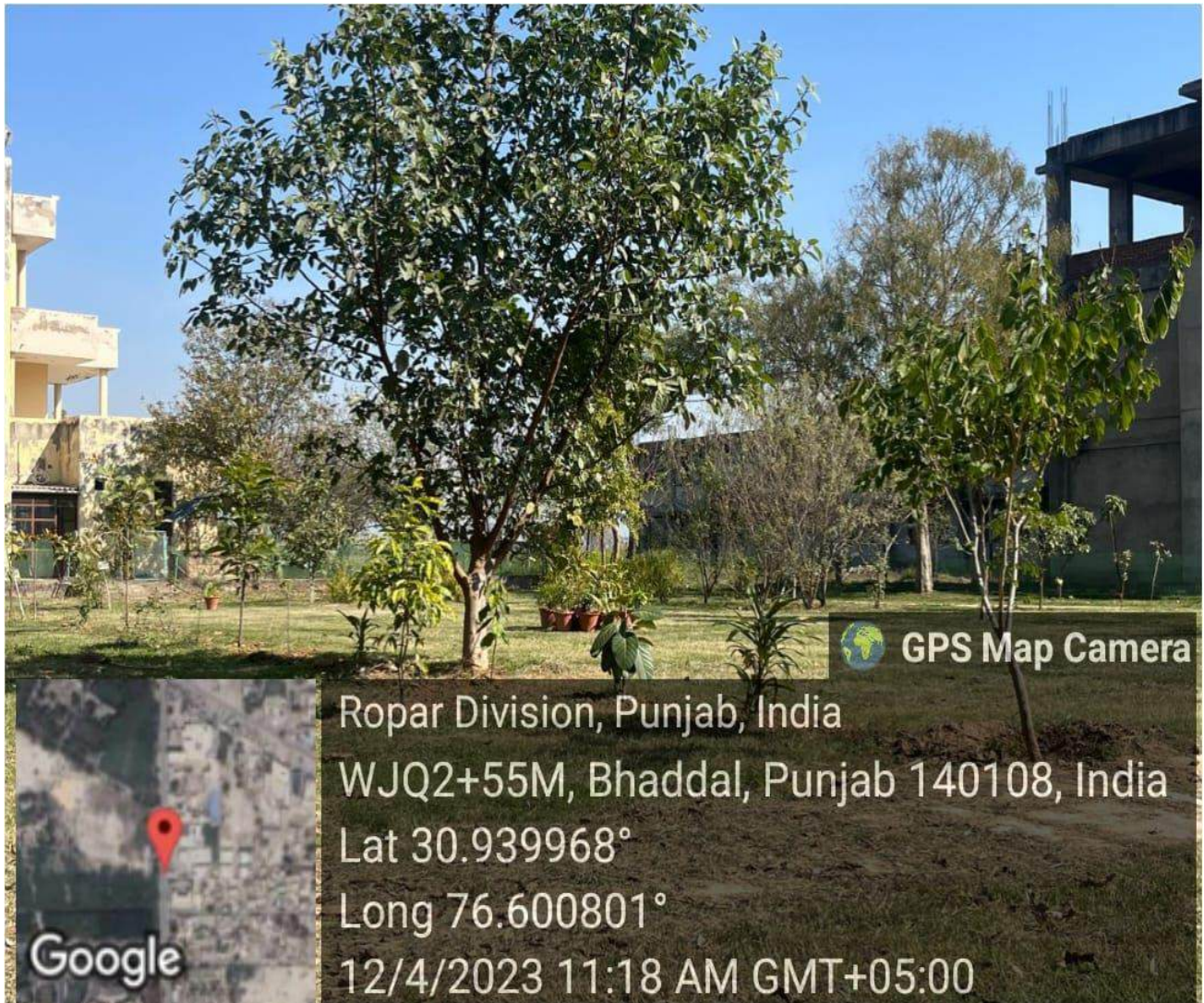
TREE PLANTATION DRIVE



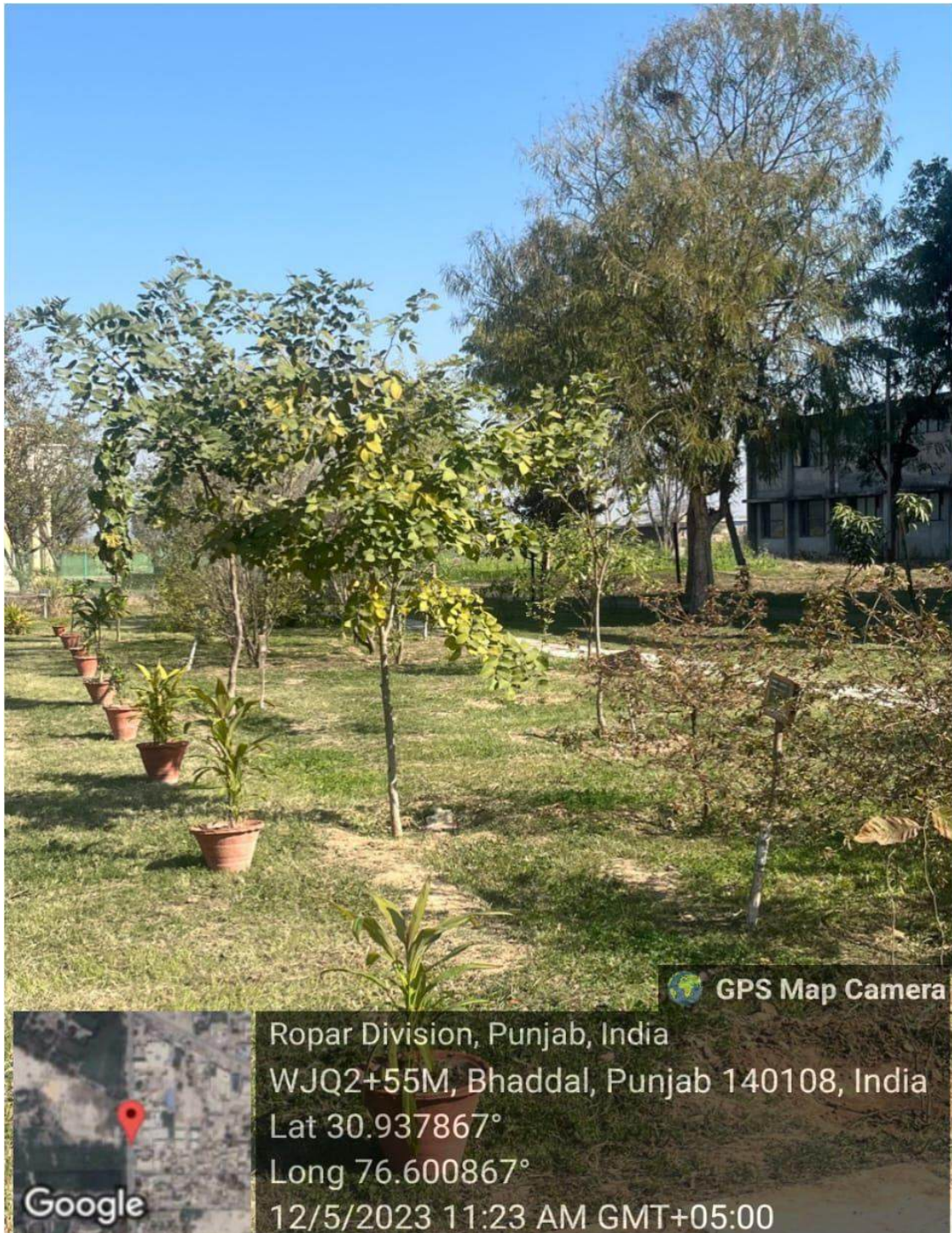
HERBAL GARDEN



HERBAL GARDEN



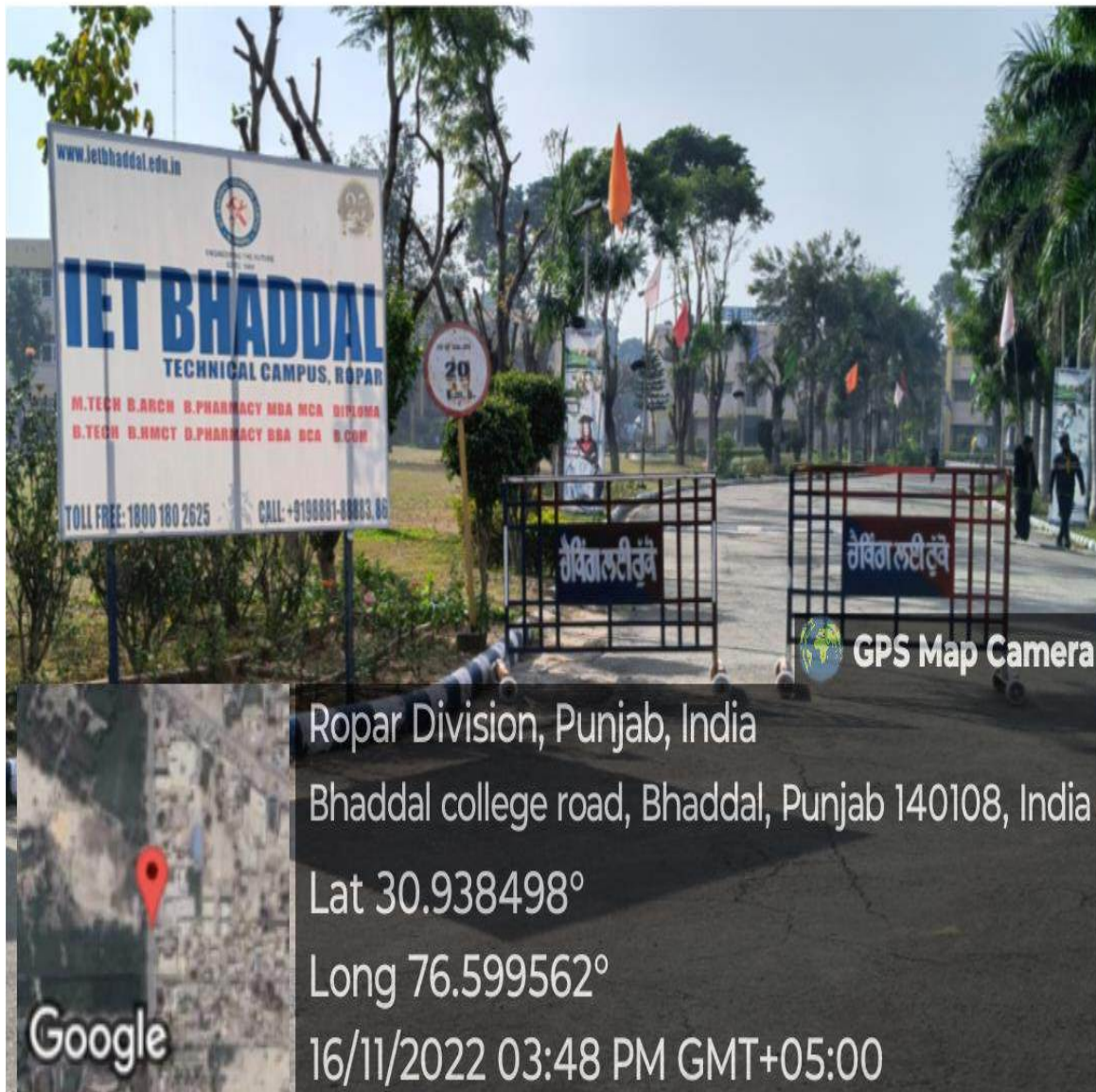
HERBAL GARDEN



HERBAL GARDEN



MINI FOREST



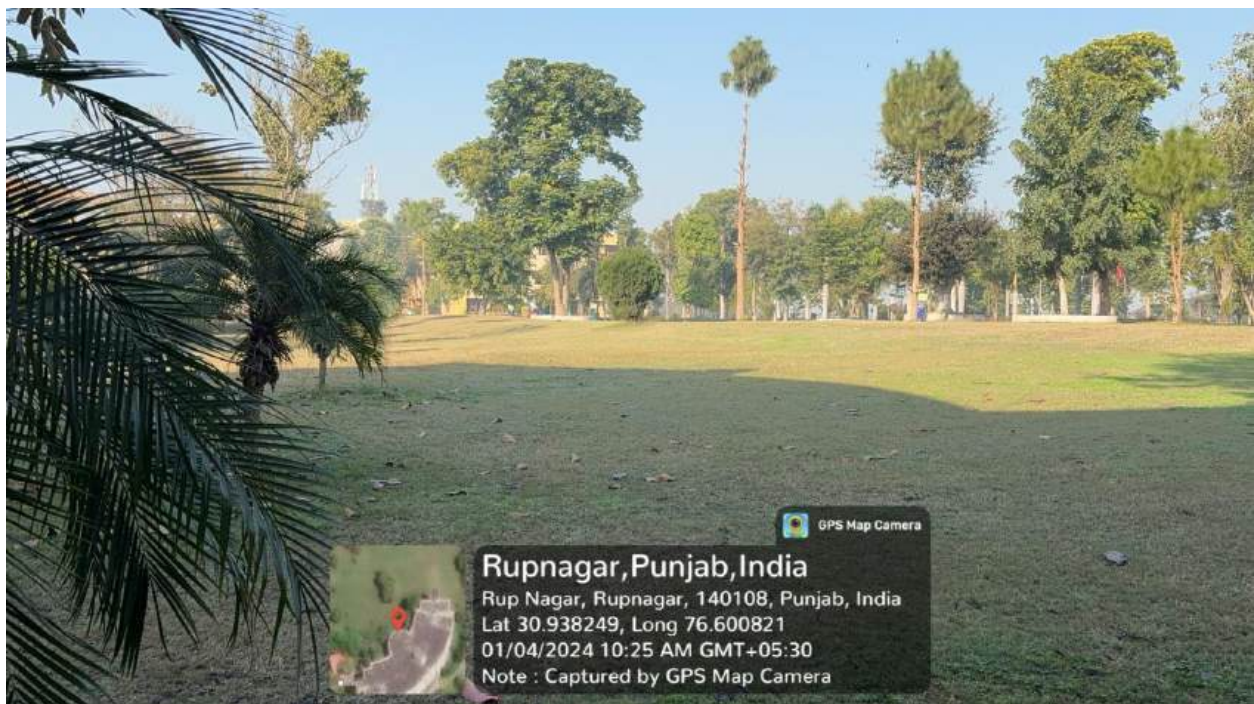
RESTRICTED ENTRY OF AUTOMOBILES



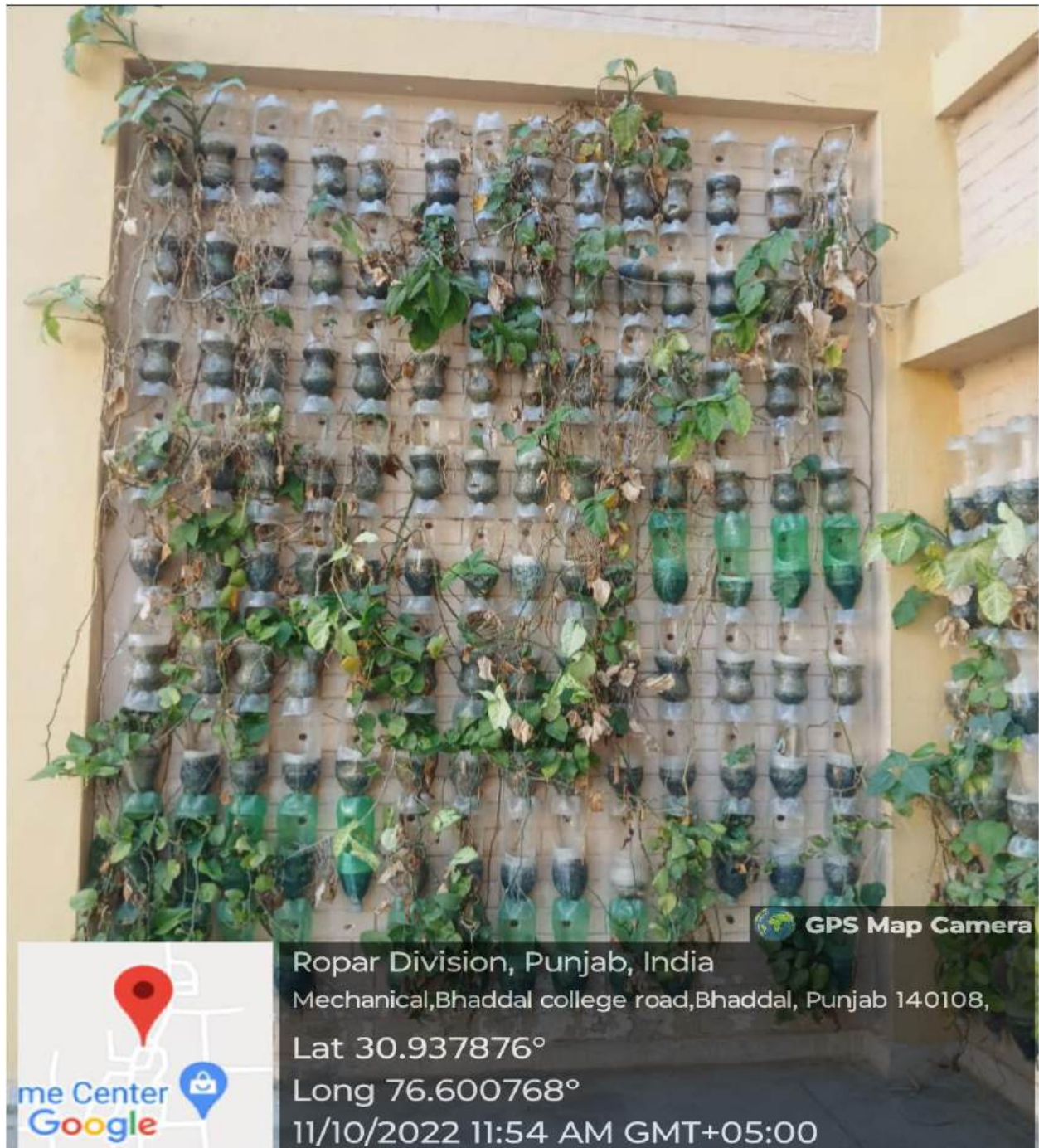
USE OF BATTERY-POWERED VEHICLES



PEDESTRIAN-FRIENDLY PATHWAYS



LANDSCAPING



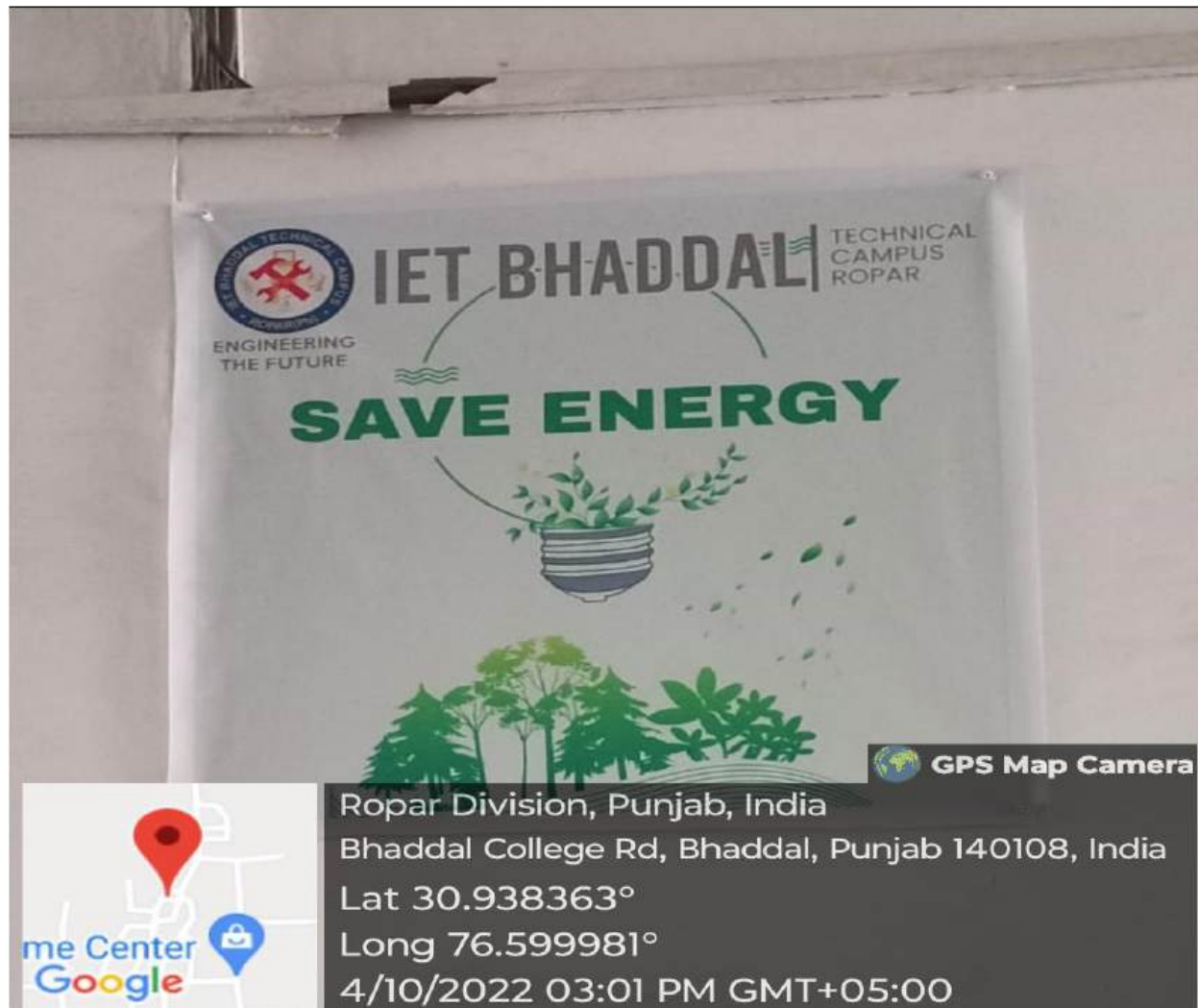
WALL PLANTATION



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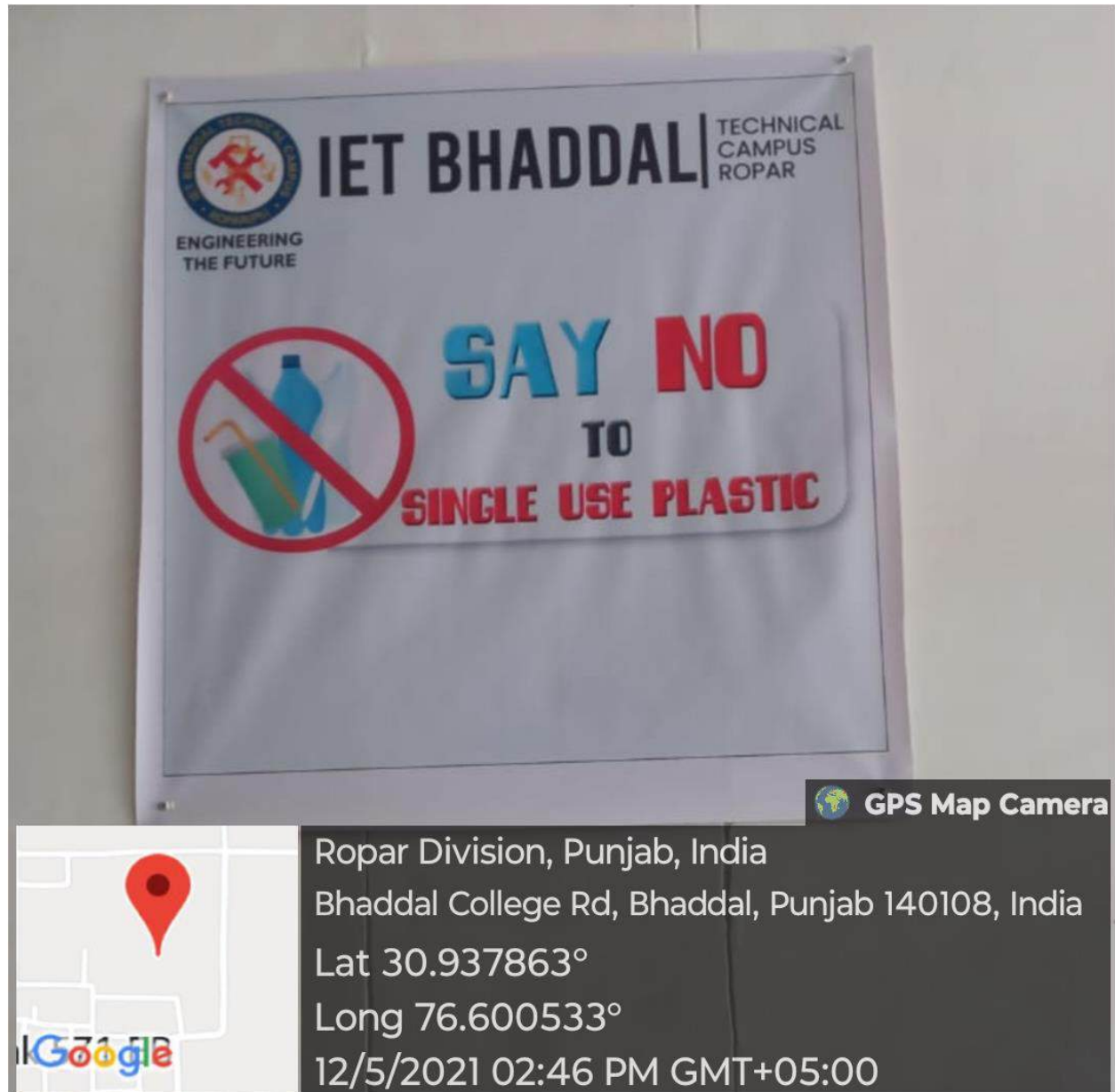
SAVE ENERGY BANNER IN CANTEEN



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SAY NO TO SINGLE USE PLASTICS BANNER



SAVE WATER BANNER IN CAMPUS

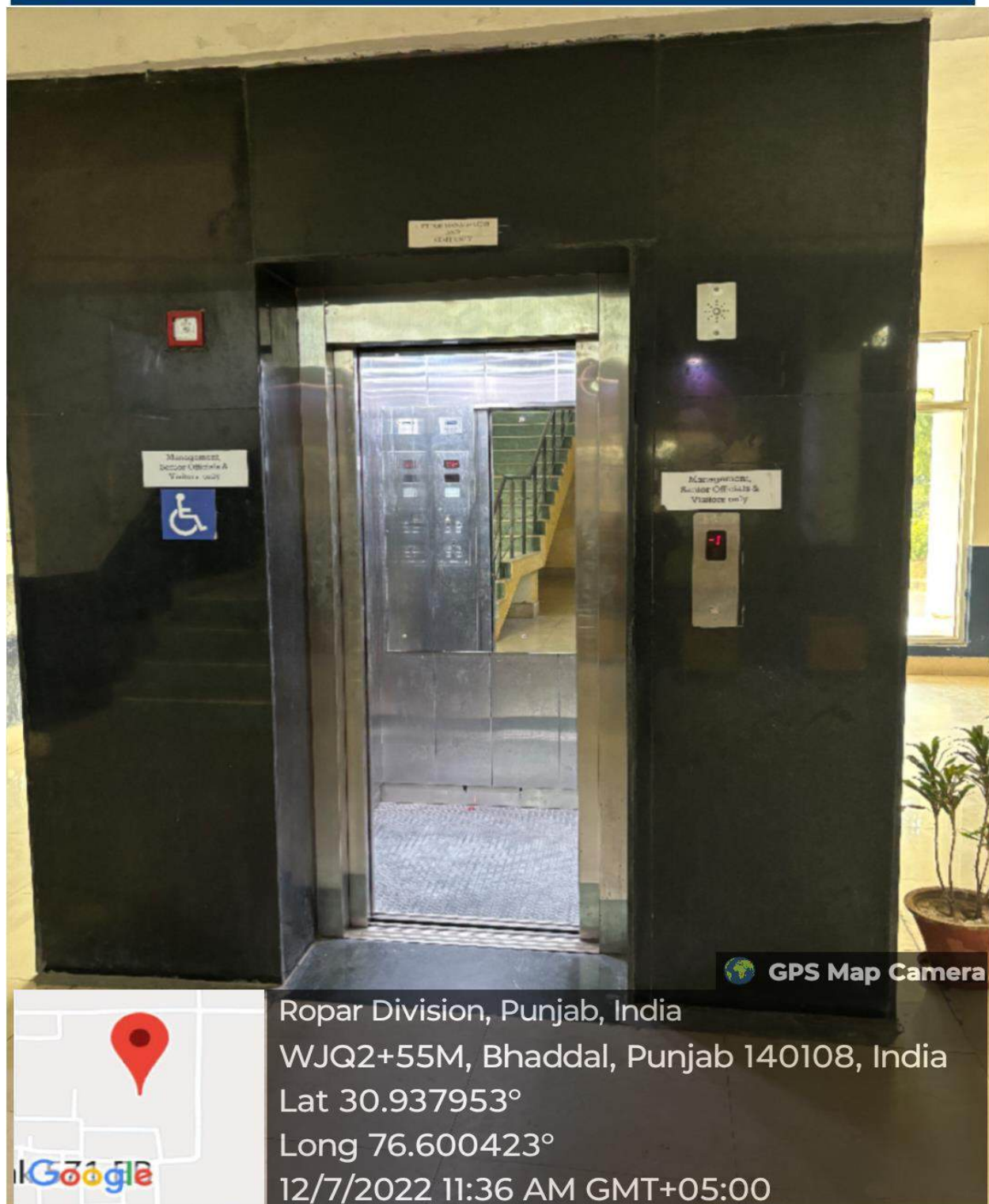
5. Divyangjan

Divyangjan provides friendly facilities to students with disabilities, and aims to ensure a comfortable and fulfilling stay for students on the college campus. These include ramps, lifts, and signboards. These facilities help Divyangjans more aware of their rights, dignity and welfare and also raise awareness about the benefits of integrating differently abled persons into every aspect of life

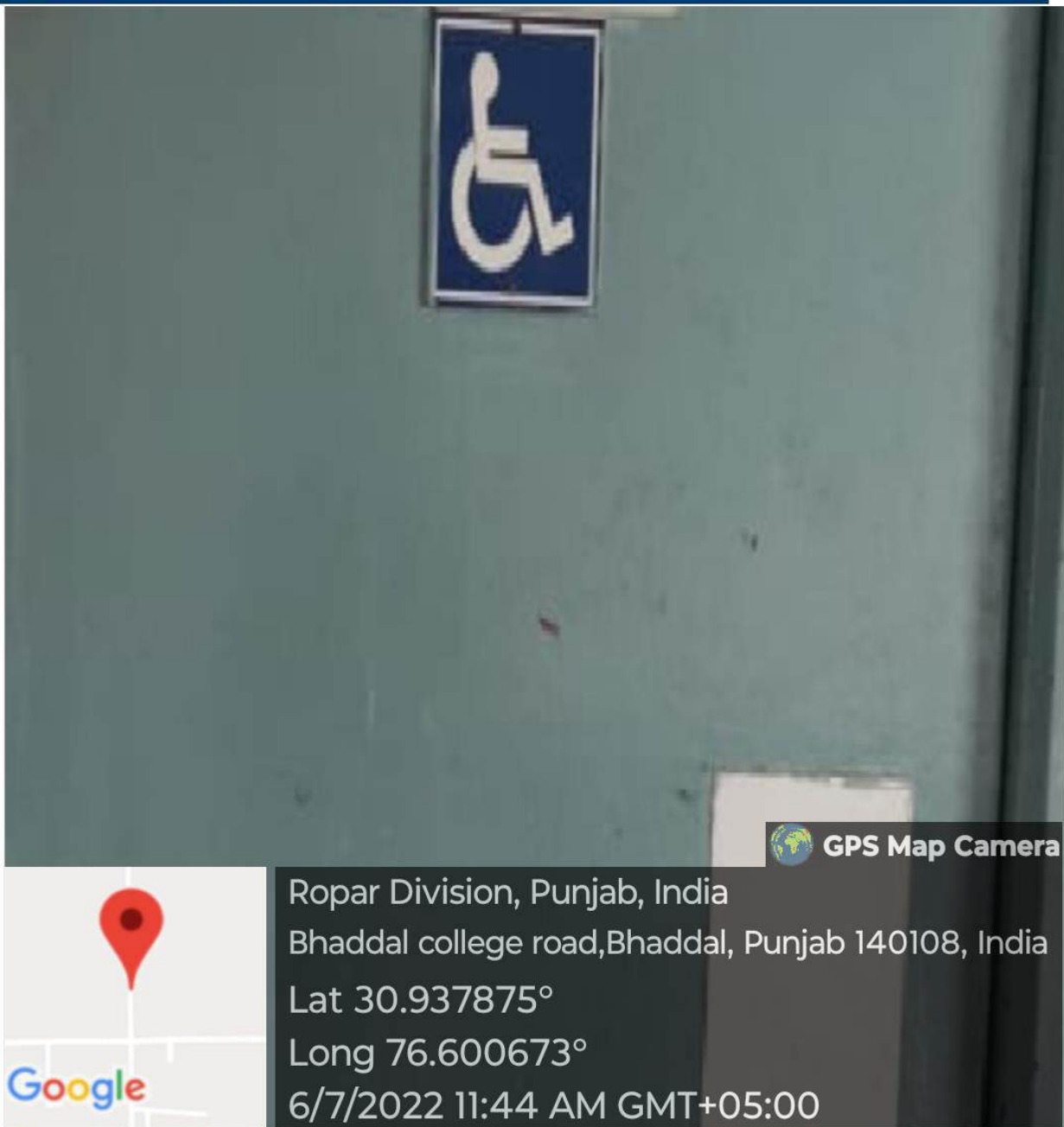
There is provision of wheelchair for differently abled person.



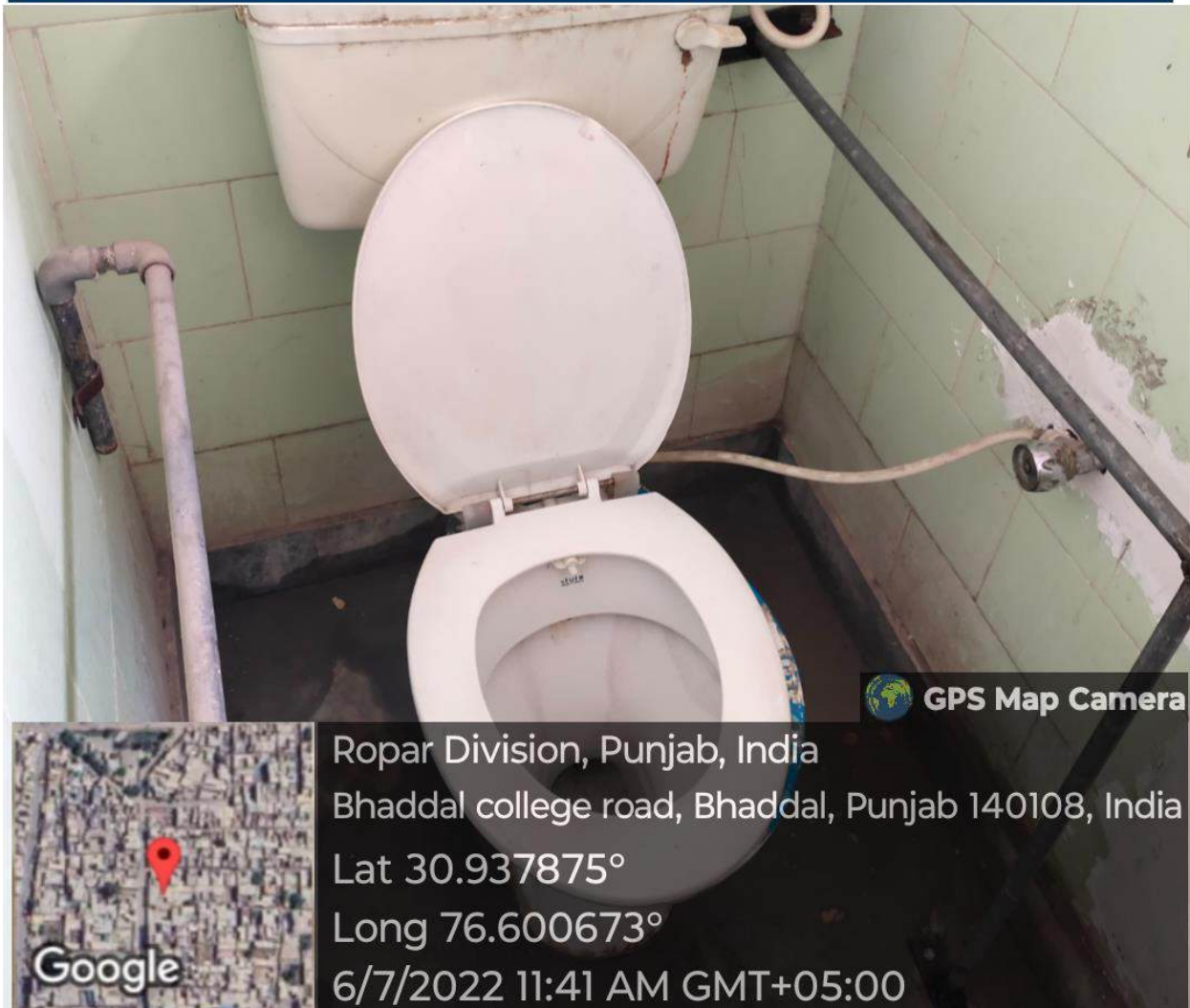
WHEELCHAIR FACILITY



LIFT



WASHROOM FOR DIFFERENTLY ABLED



WASHROOM FOR DIFFERENTLY ABLED




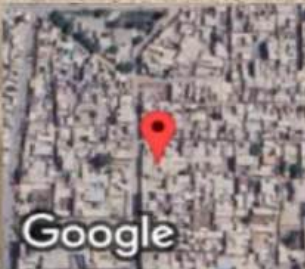
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 **GPS Map Camera**



Ropar Division, Punjab, India
Mechanical Block, Bhaddal, Punjab 140108, India
Lat 30.937873°
Long 76.600765°
14/9/2022 11:44 AM GMT+05:00

RAMP