



***Syon College***  
***Abohar***



***Green***  
***Audit***  
**2023-24**





# Syon College

Affiliated to Panjab University Chandigarh  
K.M.-7, Hanumangarh Road, Abohar

## GREEN AUDIT REPORT

### CONTENT

SERIAL NO.	PARTICULARS
I	MEMBERS OF GREEN AUDIT
II	ABOUT THE COLLEGE
III	OUR VISION
IV	OUR MISSION
V	ENERGY USAGE
VI	WATER MANAGEMENT
VII	WASTE MANAGEMENT
VIII	BIODIVERSITY
IX	AWARENESS PROGRAMS
X	RECOMMENDATIONS

Principal  
Syon College  
Abohar

Ref. No. AK/2022/01

Date ...23/02/2023

## CERTIFICATE

This is to certify that the Green Audit Report of Syon College , Abohar is based on the original data collected during the period of study. Further, it is certified that the baseline data was prepared by the internal Green Audit team of Syon College, Abohar and submitted to us. The content of the base line data of the study has been personally verified by the Green Audit Team for validity and reliability. The data used in the study are original in nature and have not been presented or published elsewhere. Photographs used in the report are provided by the institution internal audit team.

GREEN FORCE

*Ranj*

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# Syon College

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K.M.-7, Hanumangarh Raod, Abohar

## GREEN AUDIT INTERNALTEAM

### 1. President

Dr. Girdhar Lal Sharma

PRINCIPAL 

(Syon College , Abohar)

### 2. Coordinator

Assistant Prof. Dr Kavita 

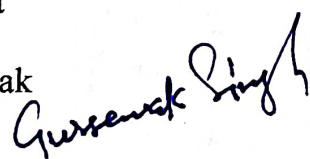
(Syon College , Abohar)

### 3. Energy Conservation Expert

Assistant Prof. Mr. Gourav Sharma

(Syon College , Abohar) 

### 4. Horticulture Expert

Assistant Prof. Mr. Gursewak 

(Syon College , Abohar)

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No. OSANXPS764301ZK

*Prakash*  
**Akshay URJA**  
(A GOVT. APPROVED COMPANY)

**SANS**  
GREEN FORCE

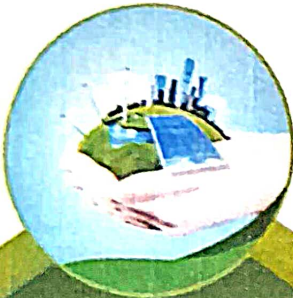
SCF-6, Maharaja Parbat Market,  
ABOHAR - 152116 (Fb) India

# CERTIFICATE

Certificate Number : GA/2023/SCABH

*This is to certify that Green Audit at  
Syon College, K.M.-7, Hanumangarh Road, Abohar -152116 (Pb.)  
was carried out for the year 2023-24.*

*College has submitted necessary data and credentials for scrutiny. The activities and measures carried out by the college have been verified. The efforts taken by the college towards environment and sustain ability is highly appreciated and commendable.*



Audit Date : 23/02/2023

Valid Upto : 22/02/2024

*Ku P*  
Principal  
Syon College  
Abohar

Authorized Signatory



# Syon College

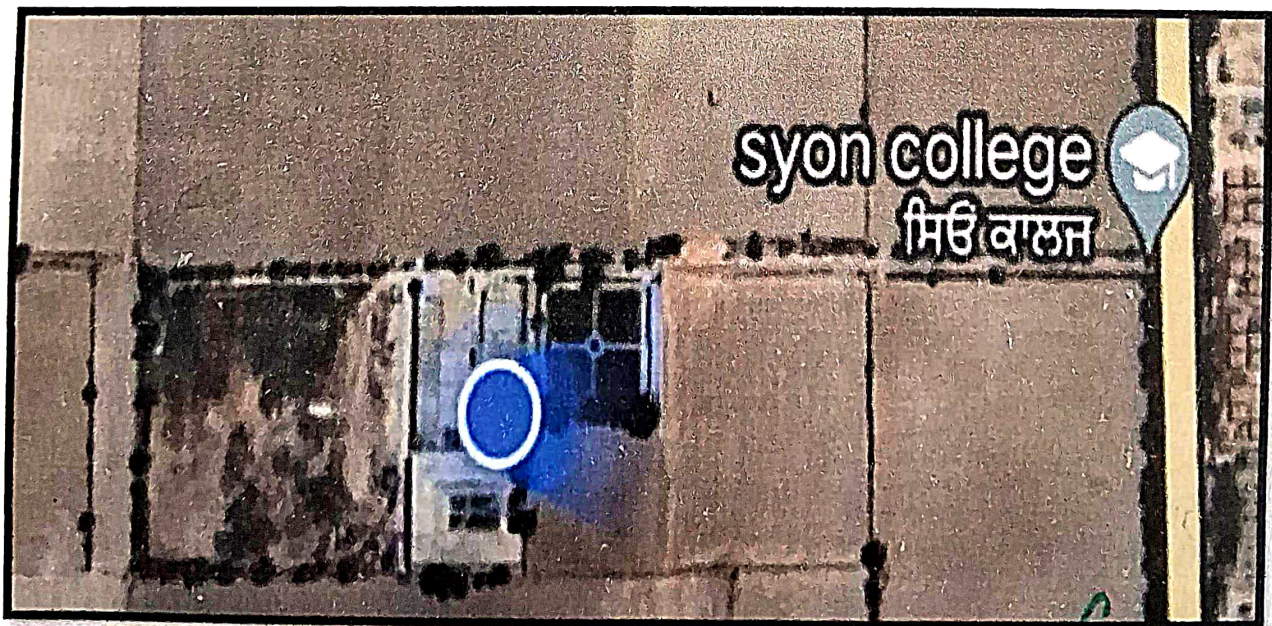
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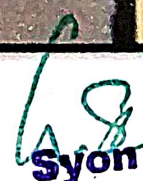
## Green Audit Report of Syon College

### COLLEGE OVERVIEW



### GEO LOCATION



  
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# Syon College

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## ABOUT THE COLLEGE

Syon College Abohar was established in 2015 to impart modern knowledge along with the Vedic traditions to the youth of contemporary India. The institution has matchless service of growth and grooming of youth in this part of the country. It becomes Imperative for us to acquire new ways of thinking and new concepts and perceiving reality. This paradigm shift towards a new World Order compels us to 'innovate'. For this, we at Syon College are always taking challenges, finding opportunities, and devising changes to foster development. We believe in adjusting the existing educational systems into a system that is universal and holistic, thus making every student a 'global' student.. The Institution's campus is WiFi enabled with modern infra-structure that includes spacious and well-equipped classrooms, well-stocked library, computer labs, vast and well-maintained playgrounds, manicured lawns complete the picture of the college.

## OUR VISION

**Transforming lives and communities through learning.**

## OUR MISSION

To provide affordable quality education while equipping students with knowledge and skills in their chosen stream, inculcate values, identify hidden talents provide opportunities for students to realize their full potential and thus shape them into future leaders, entrepreneurs and above all good human beings.

## INTRODUCTION

The Green Audit of Syon College was conducted to assess the environmental practices and sustainability measures adopted by the institution. The aim was to identify areas of improvement and provide recommendations to enhance the college's environmental performance. This report presents the findings, analysis, and recommendations based on the audit.

## METHODOLOGY

The green audit was conducted through a comprehensive evaluation of various environmental aspects of the college, including energy usage, water management, waste management, biodiversity, and awareness programs. The methodology involved

- Site inspections
- Data collection
- Interviews with staff and students
- Analysis of existing records and practices.

  
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- Findings and Analysis

## 1. ENERGY USAGE

### Current Status:

**Electricity Consumption:** The college uses electricity primarily for lighting, air conditioning, and laboratory equipment.

**Renewable Energy:** There is Solar Panel for utilization of renewable energy sources.

### Analysis:

Total energy consumption is determined as 37kWh/month by major energy consuming equipment. College has provided class rooms and laboratories with proper light and ventilation provision for energy conservation. Earth Leakage Circuit Breaker has been installed at various locations on the campus to prevent current leakage and protect other electrical installations. College has placed notice boards for employees and students to off the lights and fans whenever not needed also Conducted internal Energy Audit Regular maintenance of electrical appliances to save the energy consumption Collage has used of Light Emitting Diode (LED) and Compact Fluorescent Lights (CFL) bulbs which have revolutionized energy-efficient lighting. Equipment like Computers is used with power saving mode. The electricity was shut down after occupancy time as one of the practices for energy conservation.

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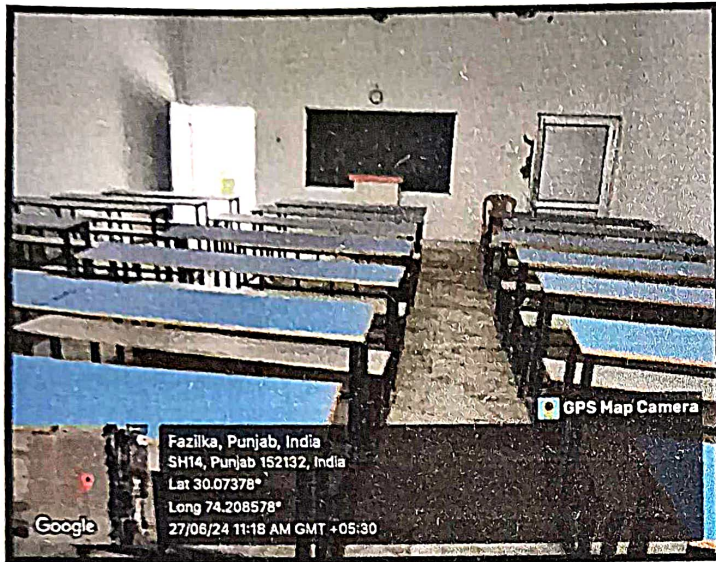
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## CLASSROOMS AND LABS WITH NATURAL LIGHT AND VENTILATION



## CAMPUS WITH NATURAL LIGHT AND VENTILATION



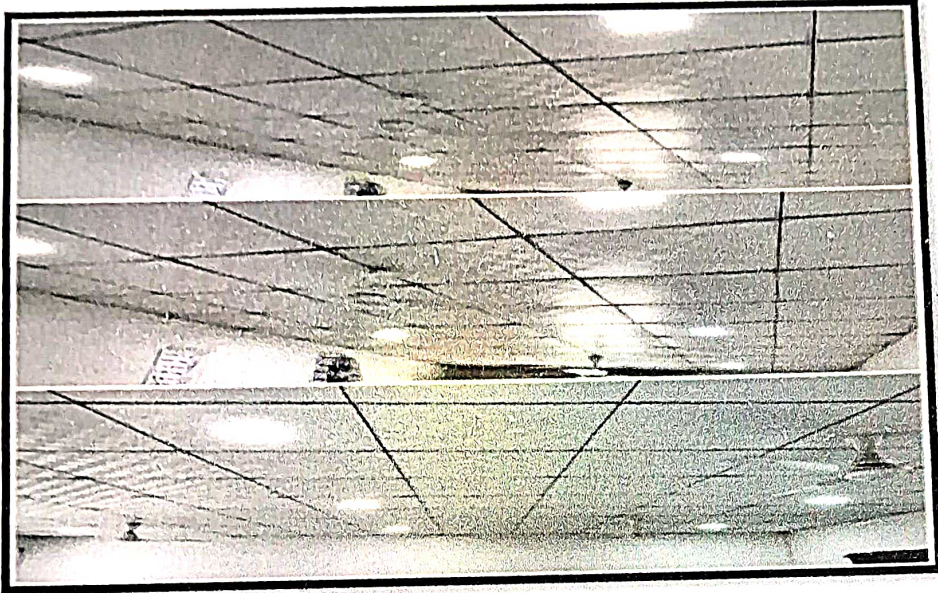
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## USE OF COST-EFFECTIVE LED LIGHTS



## PREFERENCE TO OUTDOOR GAMES AND OPEN GYM



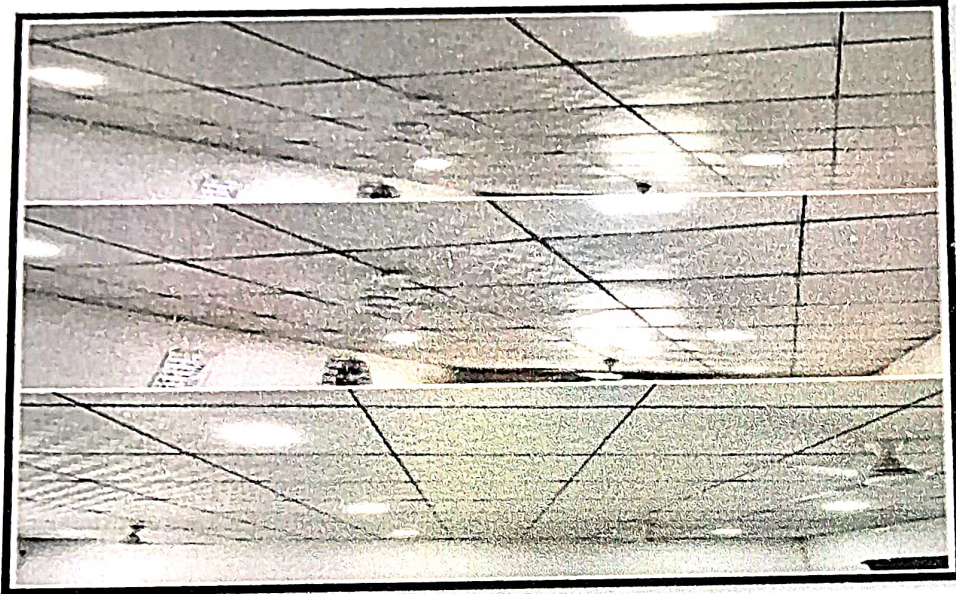
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## USE OF COST-EFFECTIVE LED LIGHTS



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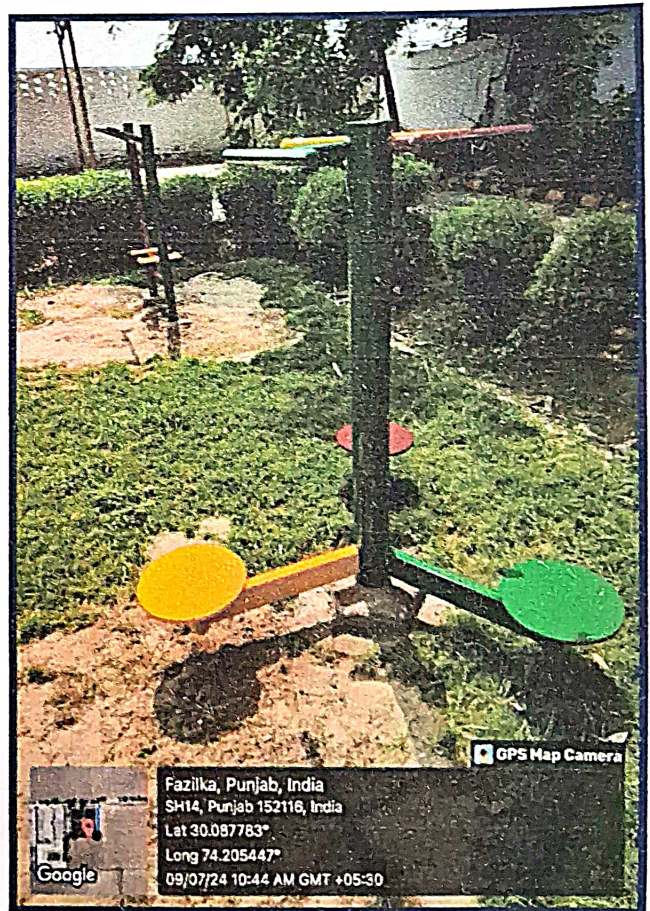
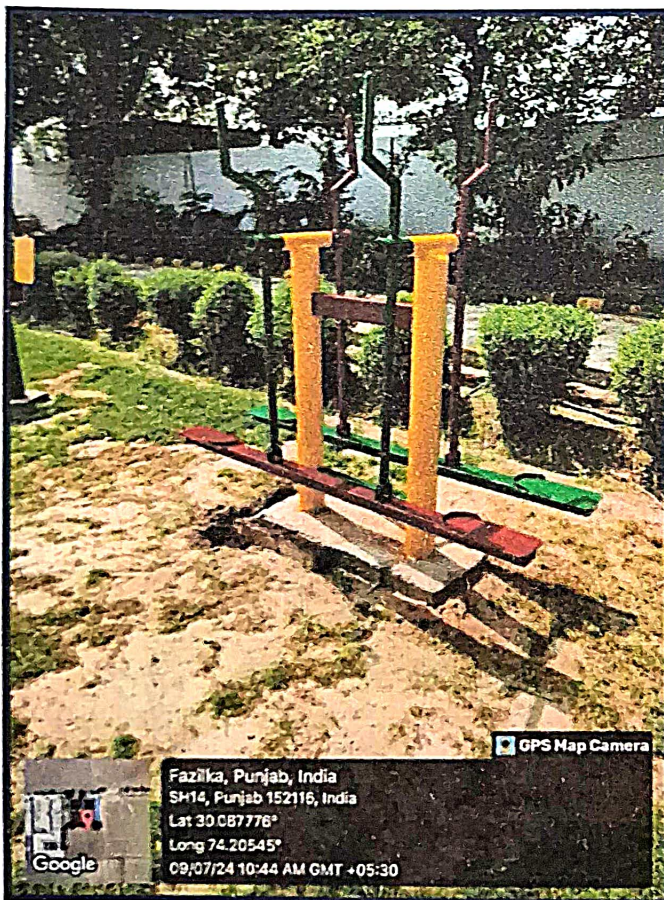
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## OPEN GYM



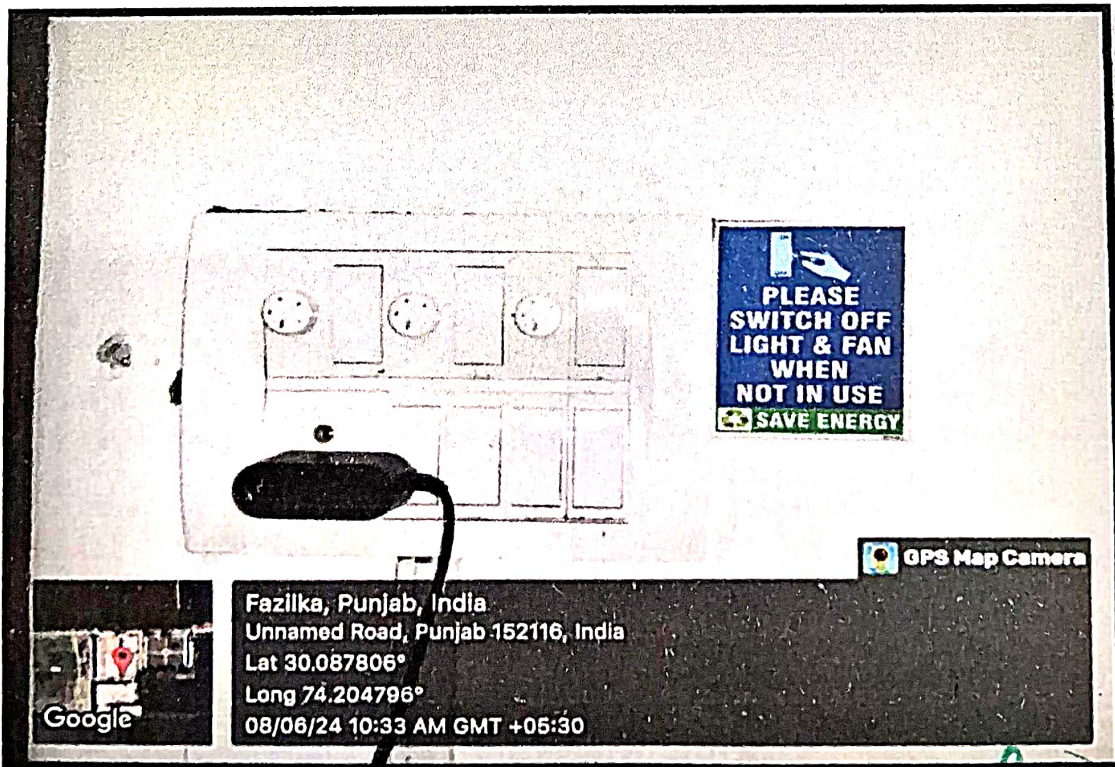
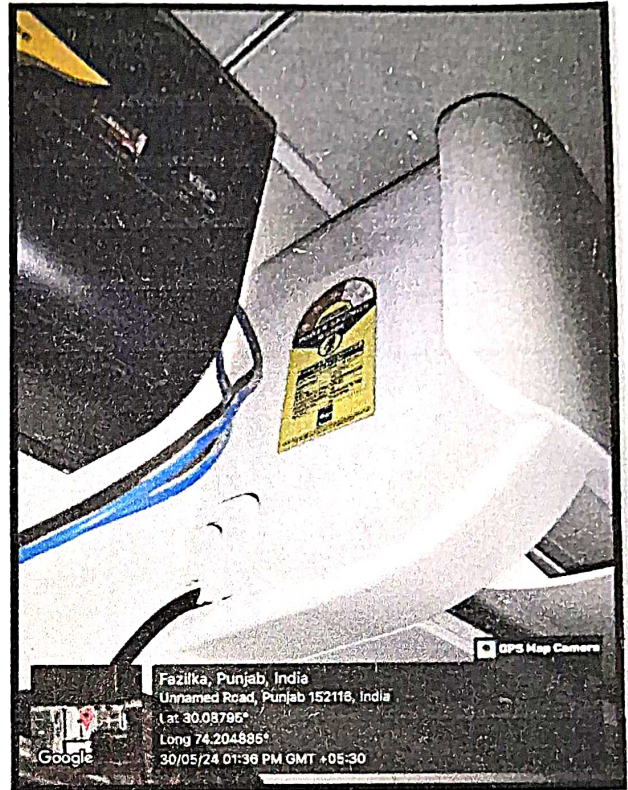
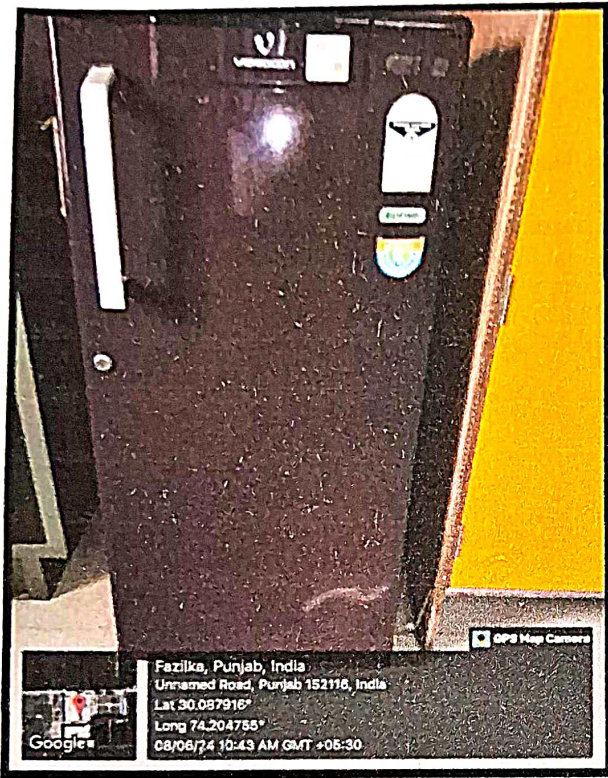
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ENERGY EFFICIENT ELECTRICAL APPLIANCE AND SIGNAGE TO SAVE ENERGY



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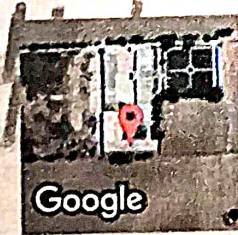
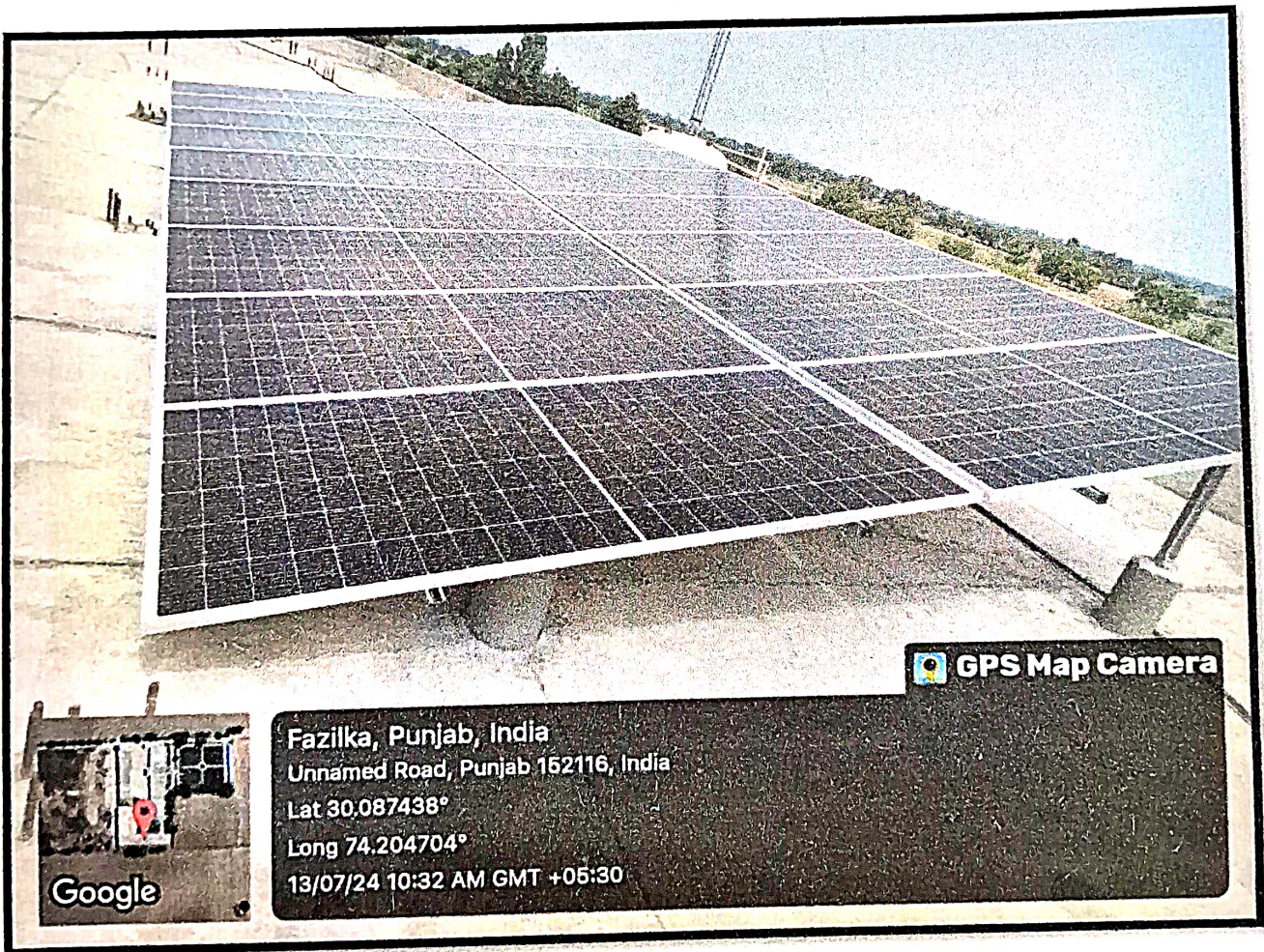
## SOLAR PANEL AS AN ALTERNATE SOURCE OF ENERGY

Solar System Details:-

Total Solar Panel:18

Power generated per panel : 555WP.

Total Power generation by 18 Panel:10KW,.



Fazilka, Punjab, India  
Unnamed Road, Punjab 152116, India  
Lat 30.087438°  
Long 74.204704°  
13/07/24 10:32 AM GMT +05:30

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## 2. WATER MANAGEMENT

Current Status:

Water Sources: The college relies on municipal water supply and borewell.

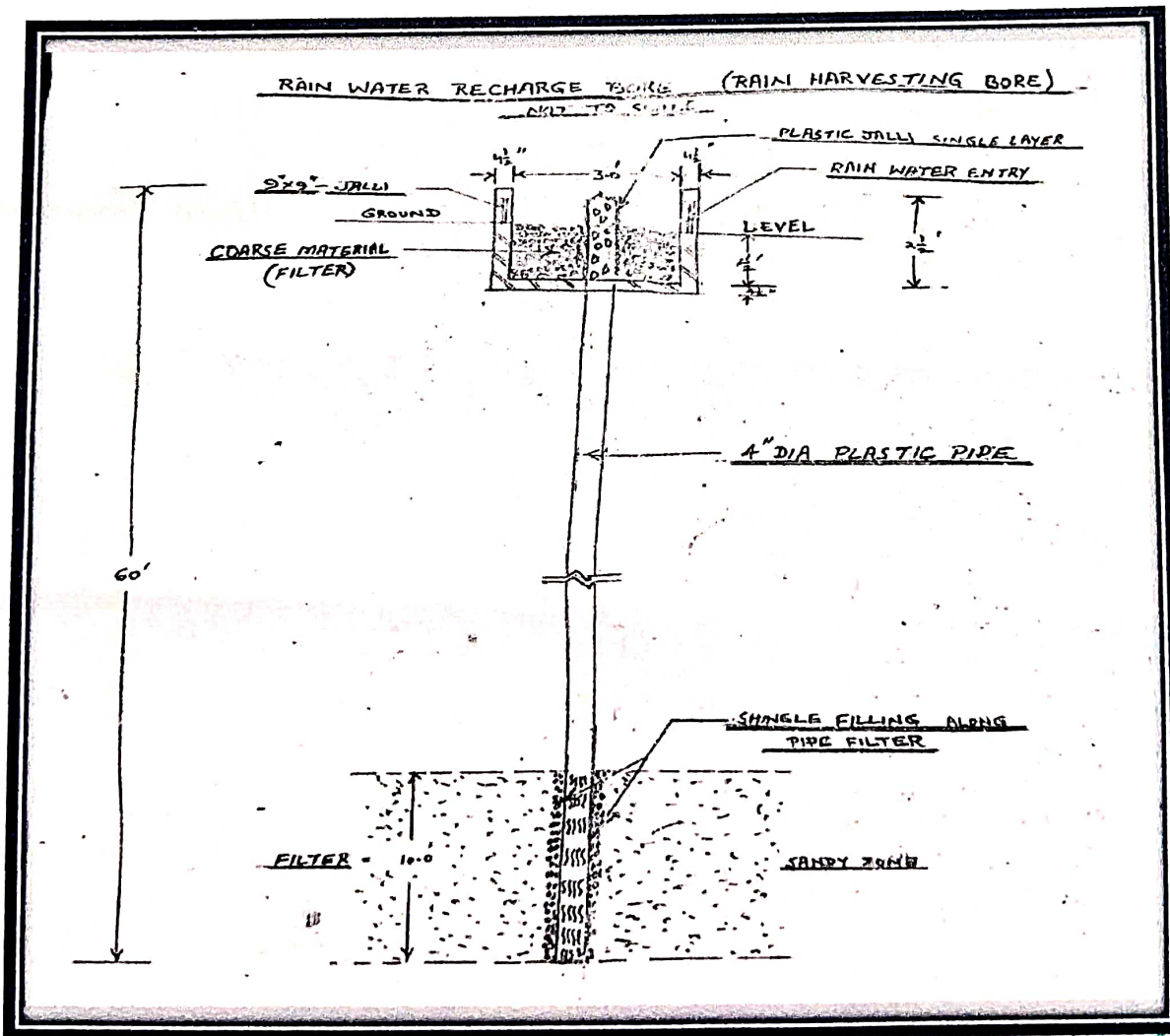
Usage: Water is primarily used in drinking, cleaning, washrooms, laboratories, and for landscaping.

Analysis:

Water Conservation: water conservation measures such as rainwater harvesting or water recycling are in place.

Leakages: Instances of water leakage were observed in some areas.

### FLOW CHART OF RAIN WATER HARVESTING



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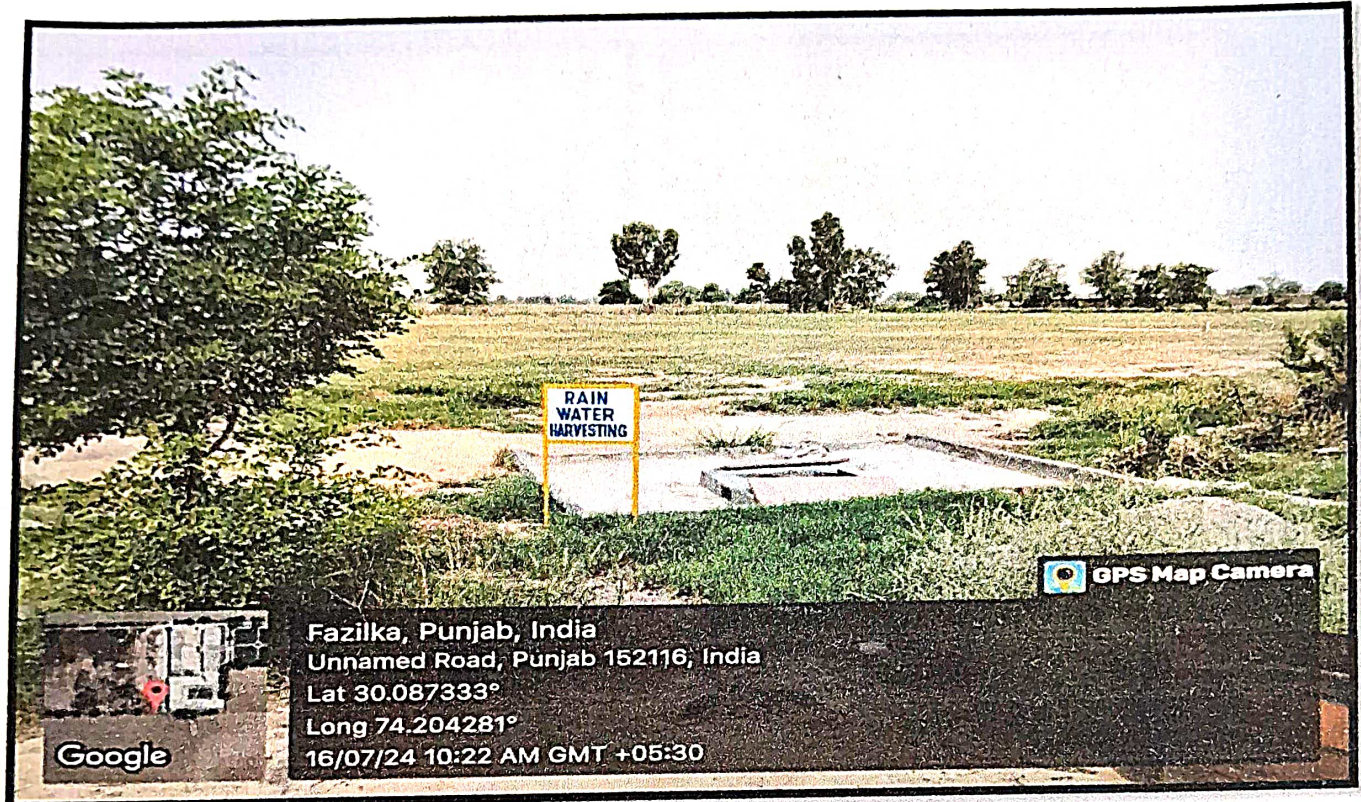




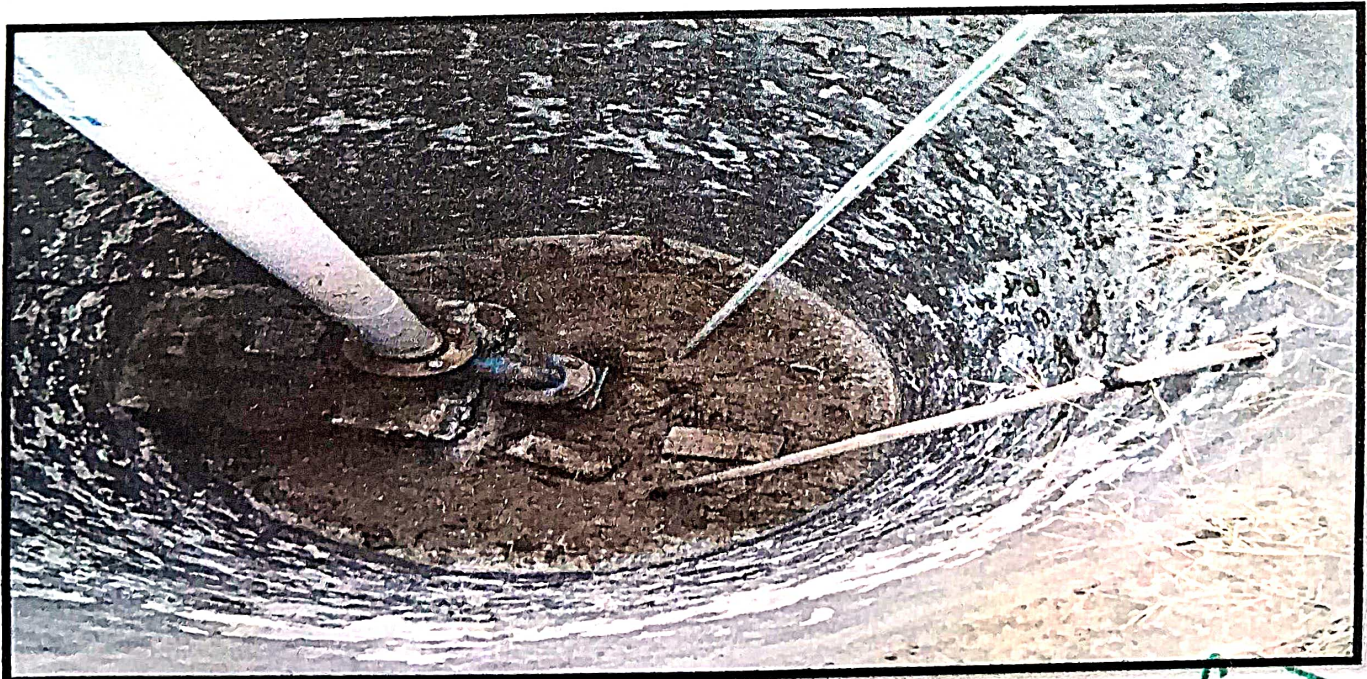
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## RAIN WATER HARVESTING



## BOREWELL



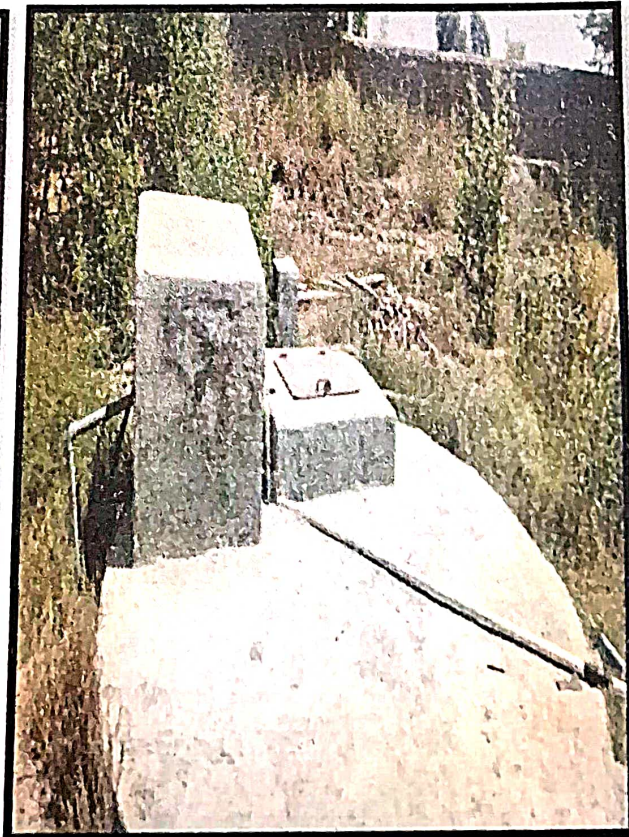
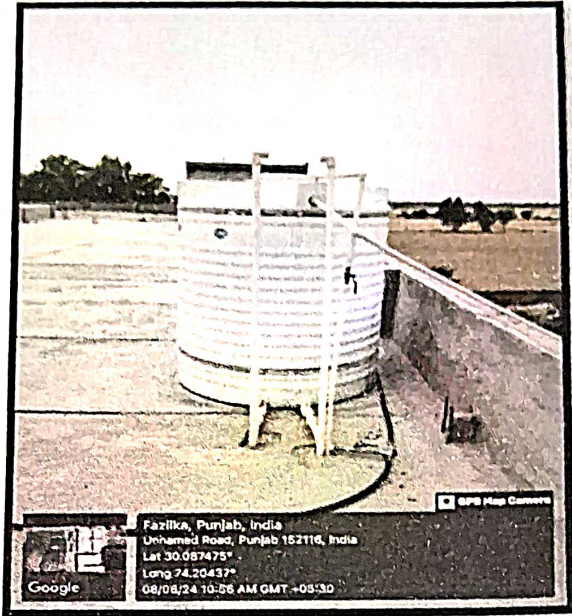
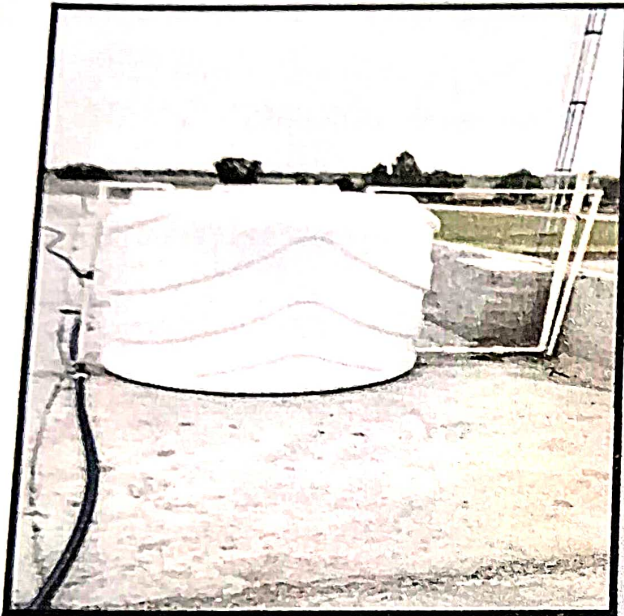
  
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## WATER STORAGE TANK AND BUNDS



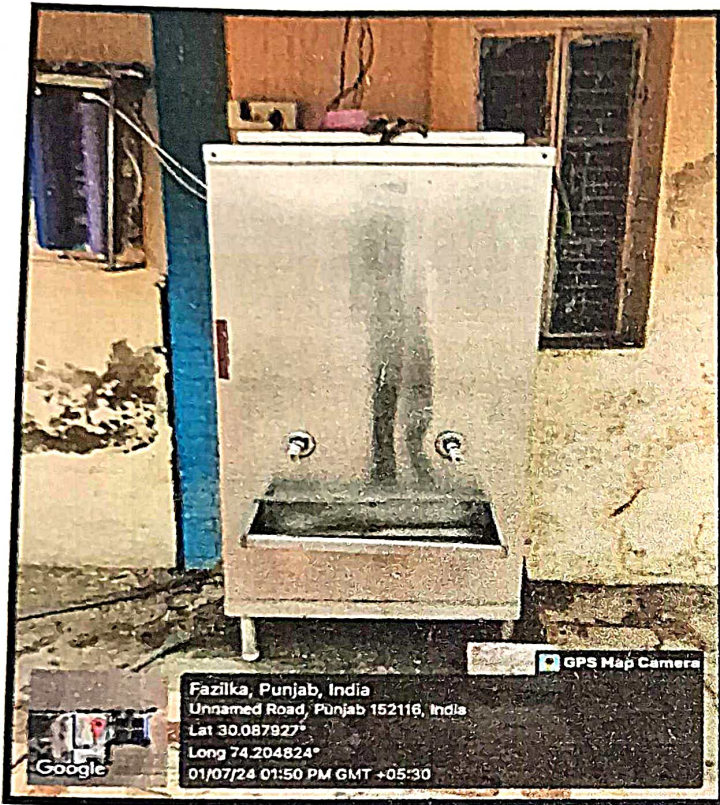
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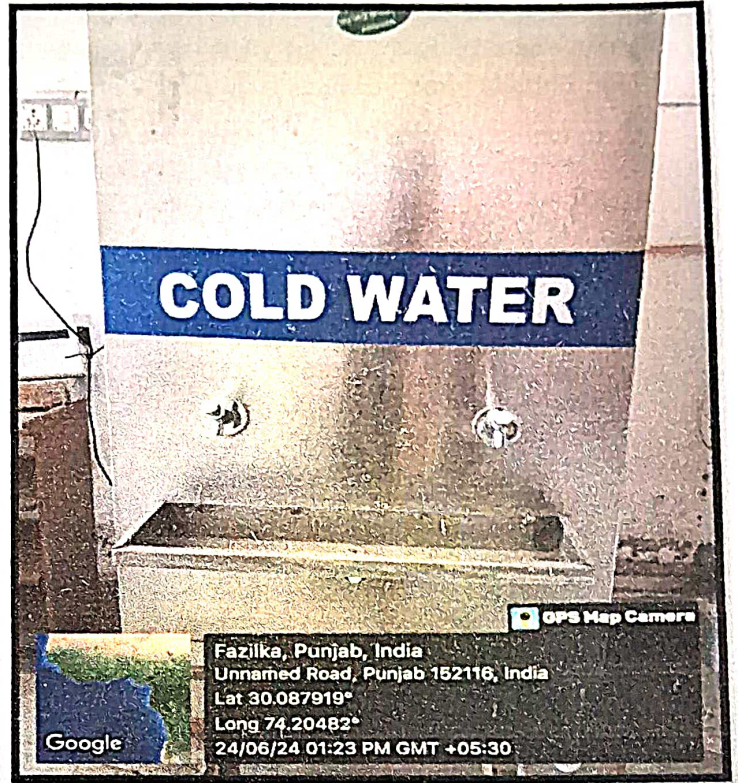
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## WATER MINIMIZATION BY CHECKING LEAKAGES AND SAFE DRINKING WATER

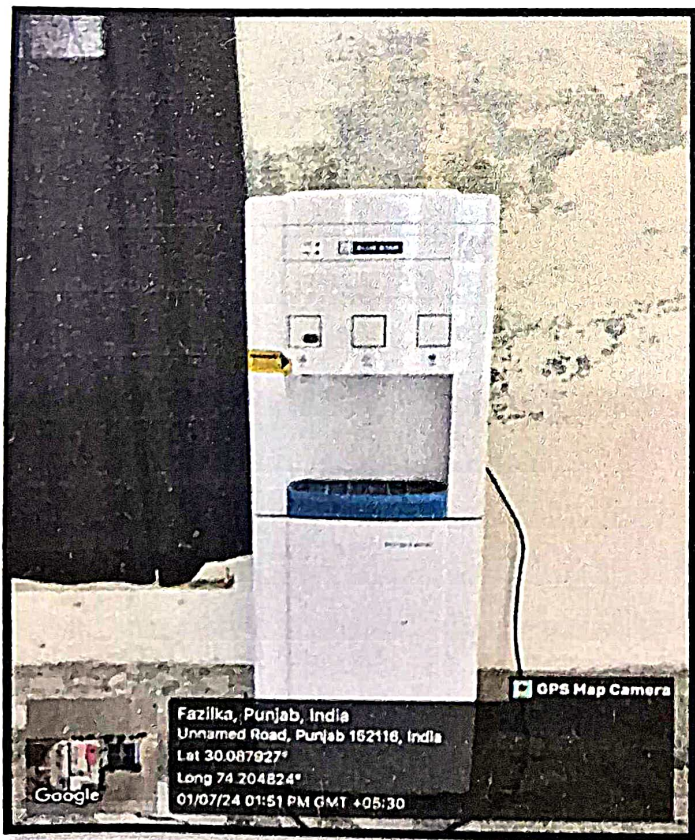


Fazilka, Punjab, India  
Unnamed Road, Punjab 152116, India  
Lat 30.087927°  
Long 74.204824°  
01/07/24 01:50 PM GMT +05:30

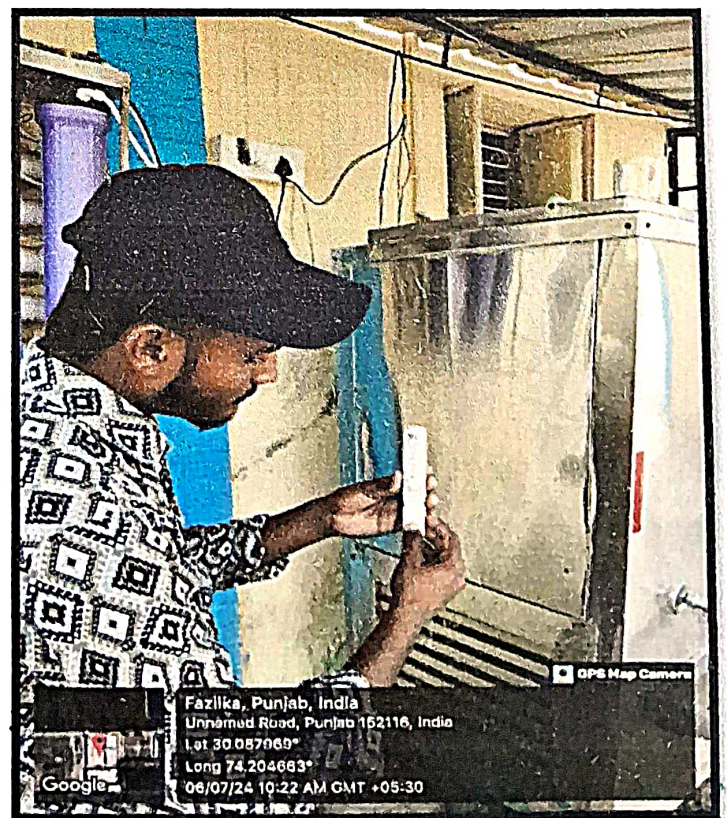


**COLD WATER**

Fazilka, Punjab, India  
Unnamed Road, Punjab 152116, India  
Lat 30.087919°  
Long 74.20482°  
24/06/24 01:23 PM GMT +05:30



Fazilka, Punjab, India  
Unnamed Road, Punjab 152116, India  
Lat 30.087927°  
Long 74.204824°  
01/07/24 01:51 PM GMT +05:30



Fazilka, Punjab, India  
Unnamed Road, Punjab 152116, India  
Lat 30.087969°  
Long 74.204663°  
06/07/24 10:22 AM GMT +05:30

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## Current Status:

### Waste Segregation:

#### Solid waste management

The college has implemented a solid waste management system which involves segregation of wet, dry, paper and green waste. Solid Waste Segregation is done by hand sorting. The dry waste which includes paper, cardboard, plastics, scrap materials is separated from others. Organic and green wastes like the leftover food, peels, scrapings from fruits etc are also collected in bins separately and used as manure for gardening purpose. Plastic and paper waste is comparatively less. our Institution reuse the papers (one-sided) for off the record work of the college. Waste Paper boxes have been placed at appropriate places in the labs, staff rooms and Administrative room of the Institution.

#### E-waste Management

The College segregates old computers, batteries and wires and dispose them at regular intervals. As these are handed over to the authorized agency Sairam Computer Solutions.

Vermi- composting to use biodegradable waste collected from the campus.

Recycling: Minimal recycling practices are followed.

### Analysis:

**Solid Waste:** Facilities for composting organic waste and institution has paper less software i.e ERP

**E-waste:** For disposing of electronic waste college tie up with authorized agency Sairam Computer Solutions.



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## Solid Waste Management



## Dustbin for Reusable Paper



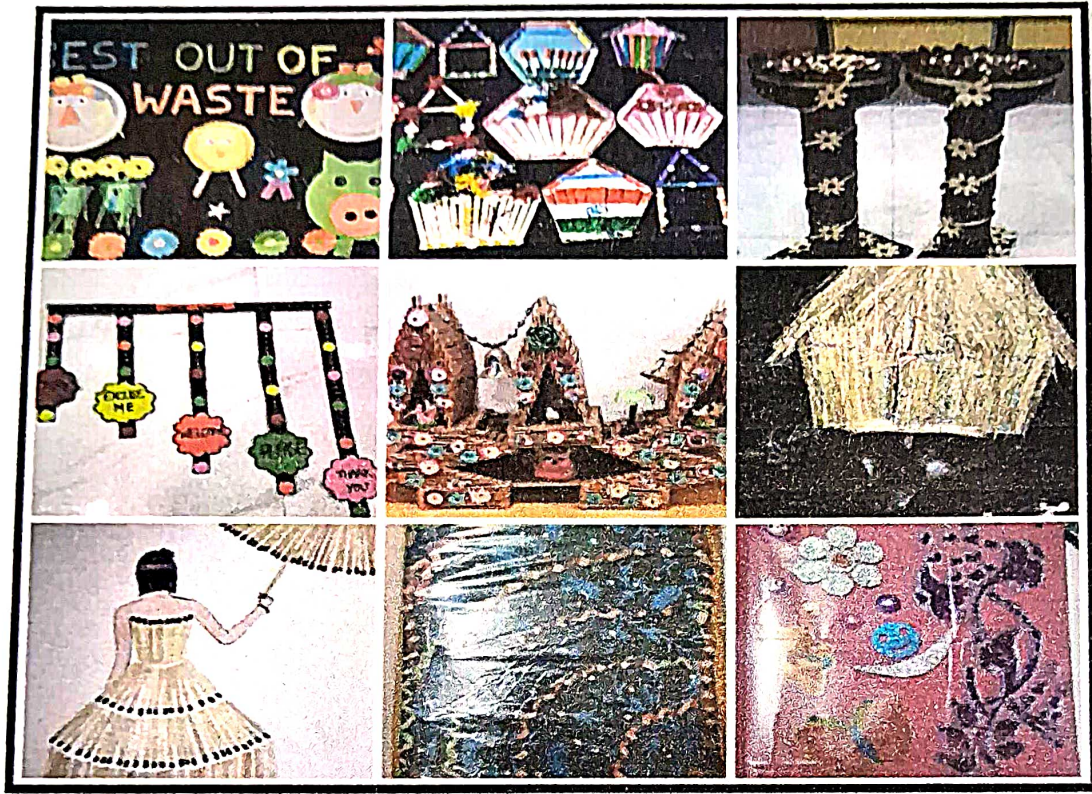
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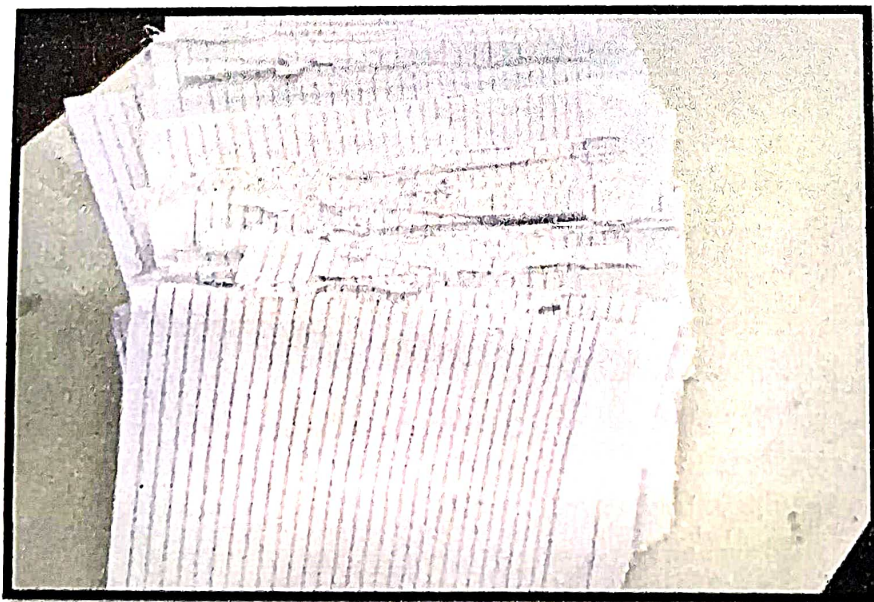
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## BEST OUT OF WASTE



## Reuse of sheets to minimize waste



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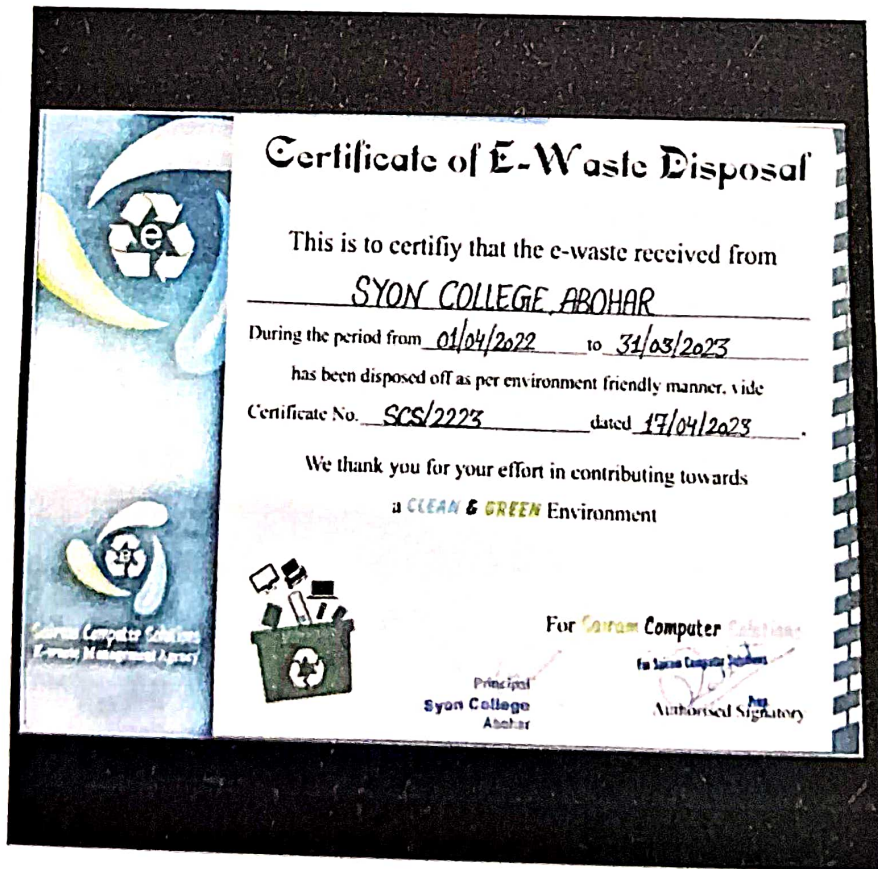
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## INCINERATORS TO DISPOSE SANITARY NAPKINS



## E- WASTE MANAGEMENT



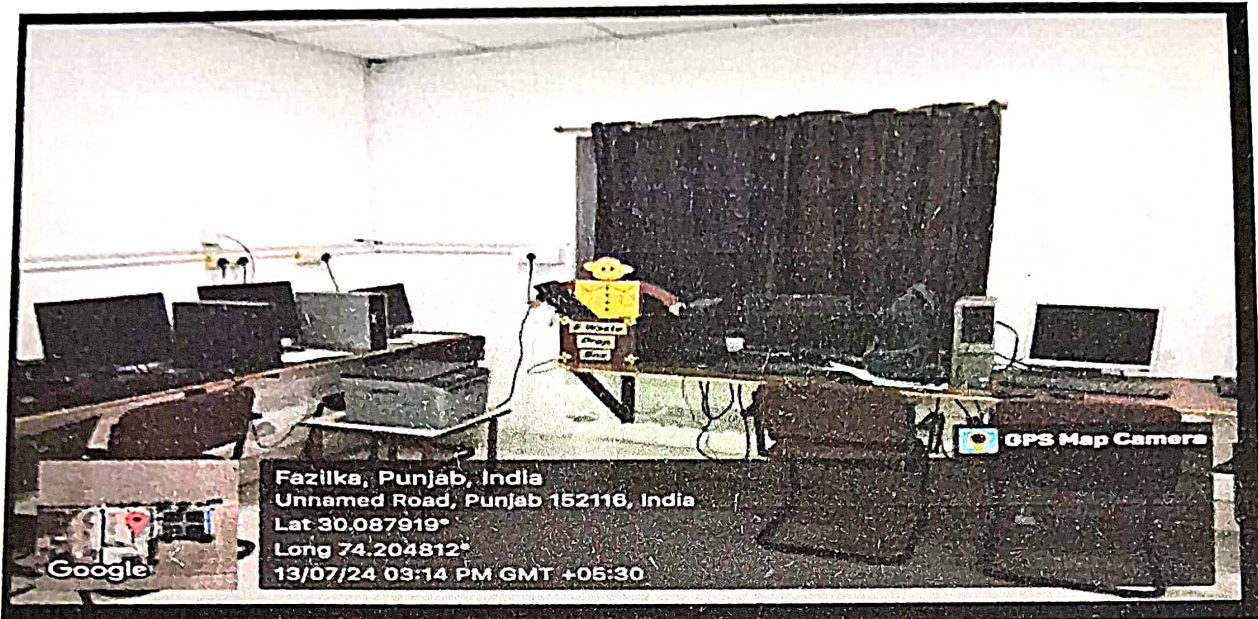
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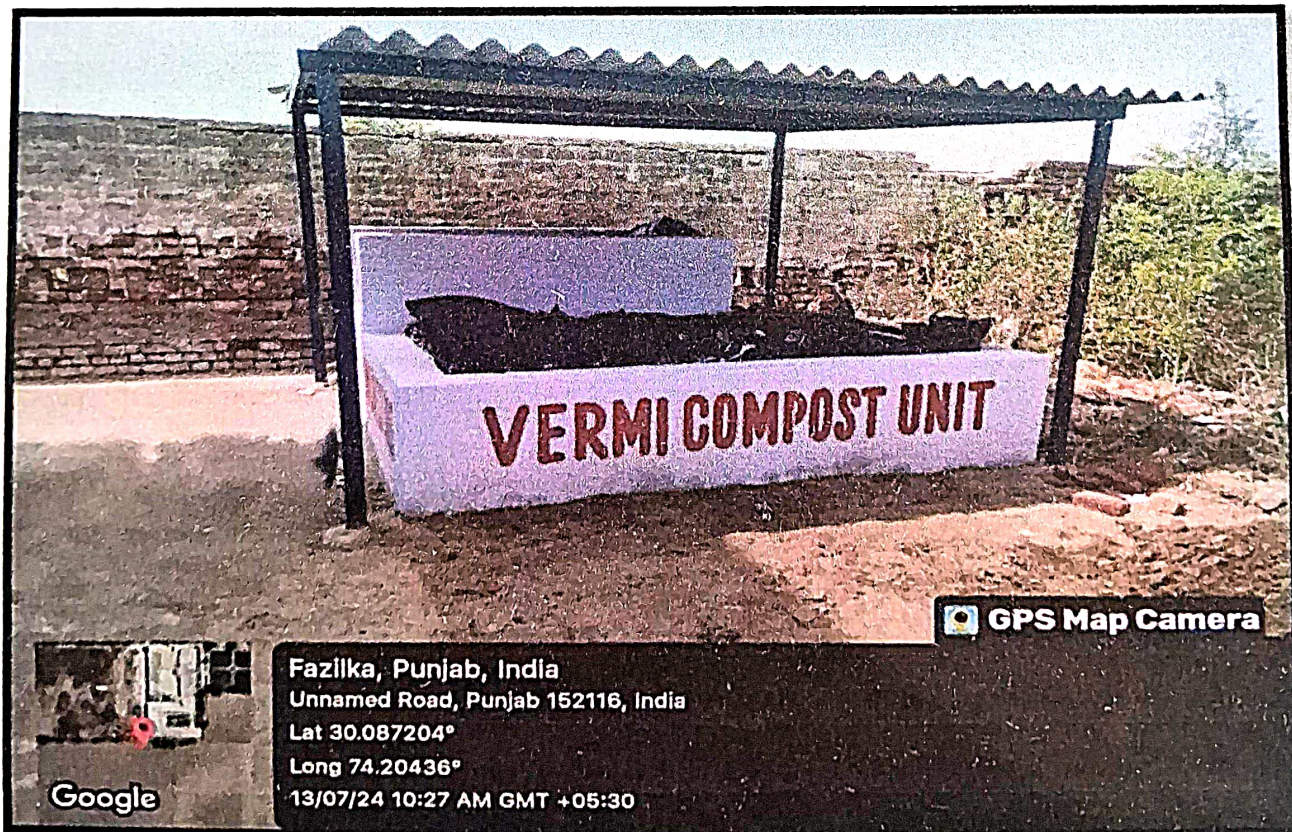
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## E- waste drop box



## VERMI COMPOST



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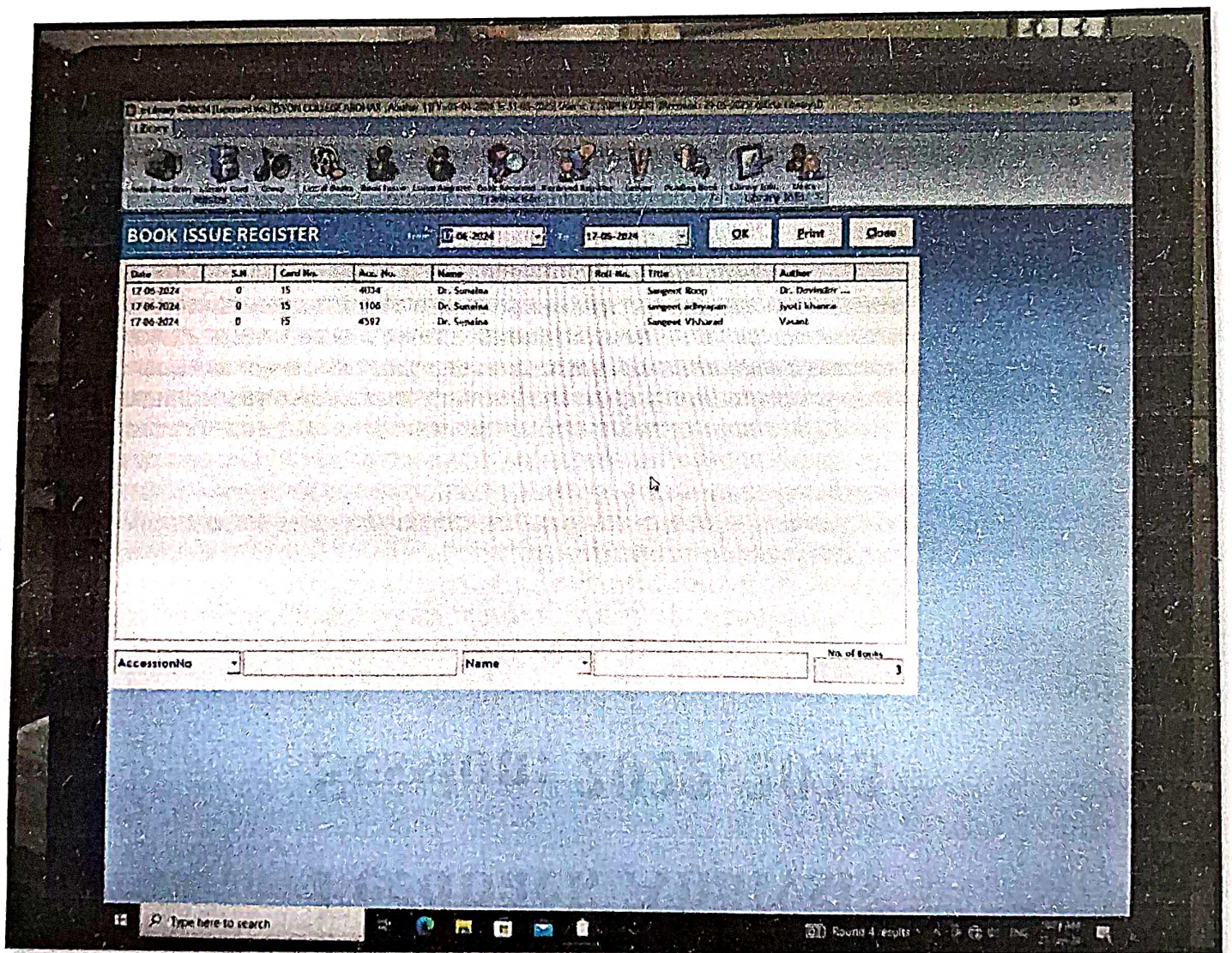



# Paperless - Software

## Screen Shots of User Interfaces of Each Module

### Implementation of E-governance

#### Module 1 : Administration



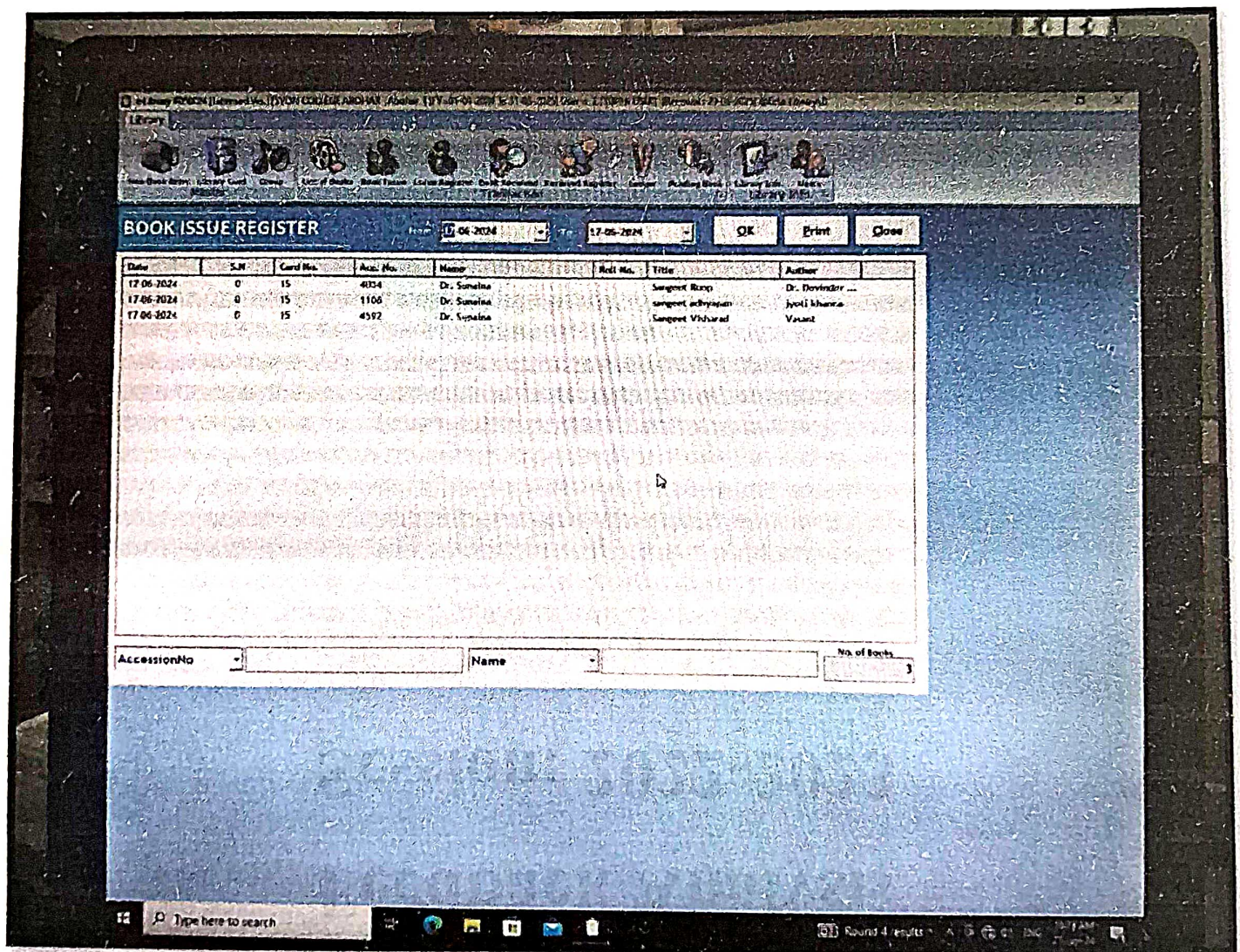
  
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# Paperless - Software

## Screen Shots of User Interfaces of Each Module

### Implementation of E-governance

#### Module 1 : Administration



  
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Session: 2022-2023

Principal's Feedback Analysis Report

# Screen Shots of User Interfaces of Each Module

## Implementation of E-governance

### Module 3 : Finance and Accounts

Account Ledger								From 1-4-2018 to 27-6-2024	
Account : VANSIJI DHO BALINDER KUMAR								Opening Bal. - Rs. 0.00	
Date	Type	Vch/Bill No	ACCOUNT	Debit(Rs.)	Credit(Rs.)	Balance(Rs.)	Short Narration		
09-06-2023	Rcpt	2023-24/2831	HDFC BANK 99910046124153 Registration Fee 316013501923 11.46		5,000.00	5,000.00 Cr			
09-06-2023	Jrnl		General Income B.A. 1st Year 2...	14,000.00		9,000.00 Dr			
29-08-2023	Rcpt	2023-24/4067	HDFC BANK 99910046124153 Sms + FINAL EXAMINATION FEE C.FEE 324136950372		4,800.00	4,200.00 Dr			
02-09-2023	Jrnl		Exam Fees B.A. 1st Year (2023-...	3,740.00		7,940.00 Dr			
27-01-2024	Rcpt	2023-24/6835	HDFC BANK 99910046124153 .sms + FINAL EXAMINATION FEE C.FEE 402704349986		5,000.00	2,940.00 Dr			
28-04-2024	Rcpt	2024-25/1857	HDFC BANK 99910046124153 C.Fees 448399166096		130.00	2,810.00 Dr			
26-04-2024	Rcpt	2024-25/1858	HDFC BANK 99910046124153 C.Fees 41742267904		2,810.00				
				17,740.00	17,740.00			Closing Bal. - Rs. 0.00	

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2023-24-25-2024

SYON COLLEGE, ABOHAR, PUNJAB

# Screen Shots of User Interfaces of Each Module

## Implementation of E-governance

### Module 4 : Student Admission and Support

**PANJAB UNIVERSITY**  
Online PUPIN System

318 - Syon College, Hanumangarh Road,  
Abohar Distt. Fazilka

Home Registration (1st Year Sem I) Reports Masters

Photo Sign Uploader College Profile Help Desk Contact Us

**Urgent Note :**  
Following Candidate(s) have taken admission in other Colleges too. Kindly confirm whether they are studing in your college or not by updating their status below. Update the status to Yes and intimate the same to the Dealing Concerned (R&S) if the candidate is continuing in your college

Roll No.	Name	Father Name	Mother Name	Class	Status Confirmation	Edit
1210	VISHAL	RAMESH KUMAR	PEKHA	BA1	No	Edit

Notifications



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# Screen Shots of User Interfaces of Each Module

## Implementation of E-governance

### Module 5 : Examination System

### Online Examination Forms

### Results

Browser tabs: New tab, Email, Punjab Scholarship, Google, WhatsApp, e Punjab schools, https://pups.punjab..., results.punjabuni..., Punjab University U...

### Punjab University Online Examination

Under Graduate Examination( May 2024 )

Welcome | Syon College, Hanumangarh Road, Abohar Distt. Fazilka

Your Mobile no is: 9216810809 and Your email is: syoncollege@gmail.com [Change Contact Detail](#)

---

**Notice regarding Extended Dates of Online Submission of Internal and External Assessment -May 2024**  
Document regarding PMS/ Freeship Card Cases  
Kindly send all Enquiries related to Examination form on [puexam2020@puohd.ac.in](mailto:puexam2020@puohd.ac.in)  
Keep Checking Notice Board regularly for All Kind of Updates regarding Examination

---

Notice Board

Conduct Branch Proformas

**Add/Edit Section**

Add Old Semester Student (Who has a gap of one year)

Promote Students to Next Semester

Change Student Subject

Make Student Eligible

Fee Performa

**Award Entry Section**

Enter Hons Subject Internal Assessment Marks

Enter Add-On Subject Internal Marks

Manage Internal Marks

Enter Introduction To Comp. Internal Marks

#### Manage Internal Assessment Marks

Select Students (Syon College, Hanumangarh Road, Abohar Distt. Fazilka)

Select Class:

Select Semester:

Select Subject:

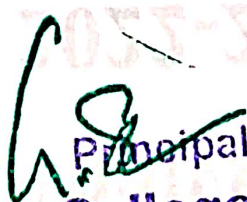
Select Assessment Type:

CollegeRollNo From:

CollegeRollNo To:

NOTE: = Please do not use rollno range for getting list of all students (including 2nd year failed students).

Activate Windows  
Go to Settings to activate Windows

  
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## 4. Biodiversity

### Current Status:

**Green Cover:** The college campus has a maximum amount of green cover, including lawns and trees. This includes the plants, greenery and sustainability of the campus to ensure that the buildings conform to green standards. This also helps in ensuring that the Environmental Policy is enacted, enforced and reviewed using various environmental awareness programmes.

**Flora and Fauna:** Moderate diversity in plant species.

### List of plants in campus

S.no.	Common name	Scientific name	Family
1	Ashoka tree	Saracaasoca	Fabaceae
2	Hedge (enermi)	Berberishannberg	Lythtiaceae
3	Morrpankhi	Platycladusorientalis	Cupressaceae
4	Kaner	Nerium indium	Apocynoideae
5	Tagets	Marigold	Asteraceae
6	Tecomastans	Trumpet bushes	Bignoniaceae
7	Rose	Rosa	Rosaceae
8	Poplar	Populus	Salicaceae
9	Snakeplant	Dracaena trifasciata	Asparagaceae
10	Pathos maniplant	Epipremmum aureum	Araceae
11	Jadge plant	Zanzibar gem	Araceae
12	Aloevera	Aloevera	Asphodelaceae
13	Tulsi(holy basil)	Ocimumsanctum	Lamiaceae
14	Sadabhar	Madagascar periwinkle	Apocynaceae
15	Sacred fig	Ficus religiosa	Moraceae
16	Neem	Azadirachta indica	Meliaceae
17	Tapori golden bottle brush	Melaleuca bracteata	Myrtacear
18	Bakhen	Melia azadirachta	Meliaceae
19	Eucalyptus	Eucalyptus globulus	Myrtaceae
20	Bottle brush	Melaleuca citrina	Myrtaceae
21	China rose	Hibiscus rosacinesia	Malvaceae
22	Nagfanni(hawthorn)	Crataegus	Rosaceae
23	Gandhraj (gardenia)	Gardenia jasminiodes	Rubiaceae
24	Arabian jasmine	Jasminum sambac	Oleaceae
25	Babool tree	Acacia	Fabaceae
26	Asparagus	Asparagus	Asparagaceae
27	Dahlia	Dahlia	Asteraceae
28	Zinnia	Zinnia elegans	Asteraceae
29	Petunia	Petunia	Solanaceae
30	Ornamental wines	Bouganvillea	Nyctaginaceae
31	Naagchampa	Plumeria pudica	Apocynaceae
32	Palm tree	Arecneae	Arecneae
33	Areca palm	Dypsis lutescens	"
34	Fountain palm	Livistona lutescens	"

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35	Parlor palm	Chamaedorea elegans	"
36	Bottle palm	Beaucarnen recurvata	"
37	Fan palm	Chamaerops humilis	"
38	Kentia palm	Howrah frosteriana	"
39	Pygmy date palm	Phoenix robelinii	"
40	Finger palm	Rhapis humilis	"
41	Comb palm	Cycas revoluta	"
42	Cat palm	Chamaedorea cataractarum	"
43	Yucca	Yucca elephantipes	Asparagaceae
44	Curly palm	Howrah belmoreana	Arecaeae
45	Majestic palm	Ravenea rivularis	"
46	Christmass palm	Adonidia merillii	"
47	Silver palm	Coccothrinax	"
48	Dragon tree	Dracaena draco	Asparagaceae
49	Dracaena fragrans	Dracaena fragrans	Asparagaceae
50	Devil tree	Alstonia scholaris	Apicynaceae
51	Bichoobutti	Protulaca grandiflora	Protulacaceae
52	Mose rose	Protulaca grandiflora	"
53	O' clock flower	Protulaca grandiflora	"
54	Night blooming jasmine	Cestrum nocturnum	Solanaceae
55	Cast iron plant	Dracaena marginata	Asparagaceae
56	Bromeliads	Bromeliads	Bromeliaceae
57	Ox tongue	Gasteria obliqua	Asphodelaceae
58	Burro's tail	Sedum moraganianum	Crassulaceae
59	Elephant bush	Variegated elephant bush	Protulacaceae
60	Patharchtta plant	Kalanchoe pinnata	Crrasulaceae
61	Sansevieriea	Sanevietia powellii	Asparagaceae
62	Bamboo tree	Bambusa vulgaris	Poaceae
63	Cyress	Cupressus	Cupersaceae
64	Shree tree	Mimusops elengi	Sapotaceae
65	Ficus panda	Ficus retusa	Moraceae
66	Green black ficus plant	Ficus benjamina	Moraceae
67	Ficus elastica burgundy	Ficus elastica	Moraceae
68	Lantania	Lantana	Verbenaceae
69	Kachnaar	Bauhinia variegata	Fabaceae
70	Astoria floura	Viola praemoosa	Violaceae
71	Gulmohar	Delonix regia	Fabaceae
72	Shisham/rose wood	Dalbergia sissoo	Fabaceae
73	Milk weed plant	Calotropis procera	Apocynaceae
74	Dekh/Persian lilac	Syringa persica	Meliaceae
75	Broad leaf palm	Codyline fruticosa	Arecaceae
76	Horse crippler	Echinocactus texensis hop	Cactaceae
77	Crown of thorns	Euphorbia	Euphorbiaceae
78	Artemisia absinthium	Artemisia absinthium	Asteraceae
79	Aloe maculata	Aloe maculata	Asphodelaceae
80	Flaming katy	Kalanchoe blossfeldiana	Crassulaceae
81	Periwinkle	Catharanthus roses	Apocynaceae
82	Mexican petunia	Ruellia simplex	Acanthacea
83	Leucophyllum frutescens	Leucophyllum frutescens	Scorophulariaceae

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84	Clover pepper	Pimenta dioica	Myrtaceae
85	Grenadine	Passiflora quadrangularis	Passifloraceae

## List of Seasonal vegetables cultivated

SR.NO	VEGETABLES PLANTS
1	Brinjal
2	Lady's finger
3	Green Chilly
4	Beans
5	Asparagus
6	Tomato
7	Onion
8	Cauliflower
9	Cabbage
10	Radish pods
11	Spinach
12	Garlic
13	Coriander
14	Mint
15	Fenugreek
16	Radish
17	Bottle gourd
18	Fennel seeds
19	


## List of Fruits cultivated

SR.NO	FRUITS
1	Papaya
2	Guava
3	Pomegranate
4	Kinnow
5	Beri
6	Mulberry
7	Malta
8	Pear
9	Black plum
10	Lemon

### Analysis:

**Green Initiatives:** Need for increasing the variety of native plant species to enhance biodiversity.

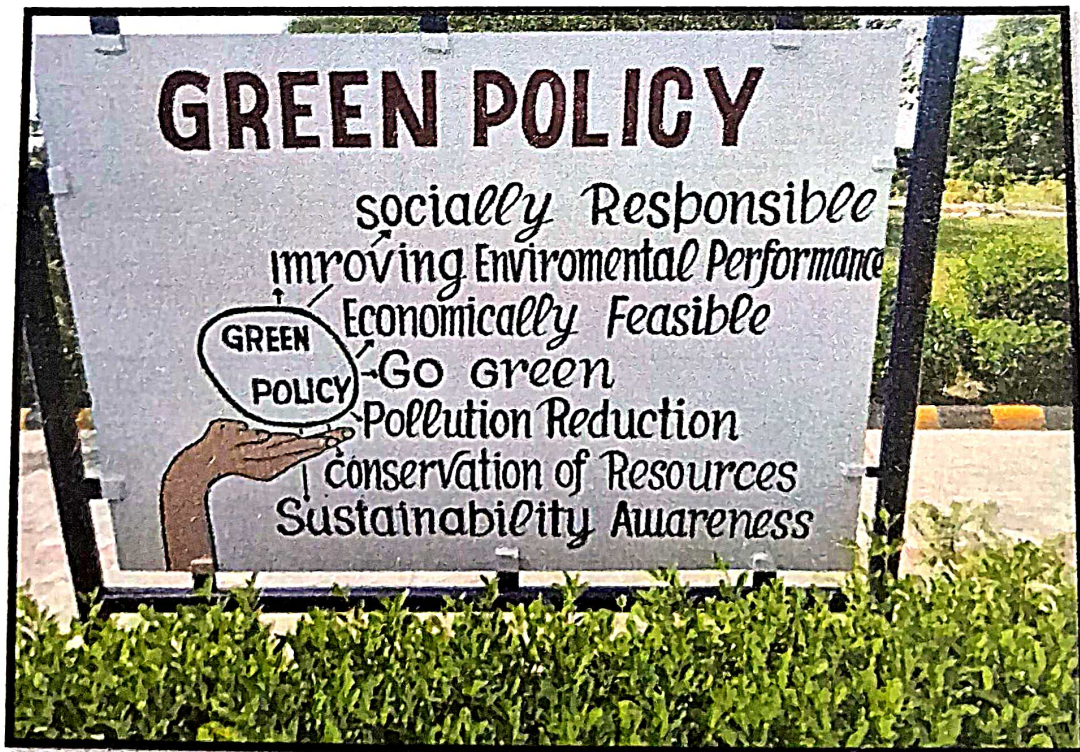
**Habitat Creation:** Potential for creating habitats such as butterfly gardens and bird feeders.

  
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RESTRICTED ENTRY OF VEHICLES



Friendly pedestrian's pathways



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## Landscaping with Trees and plants



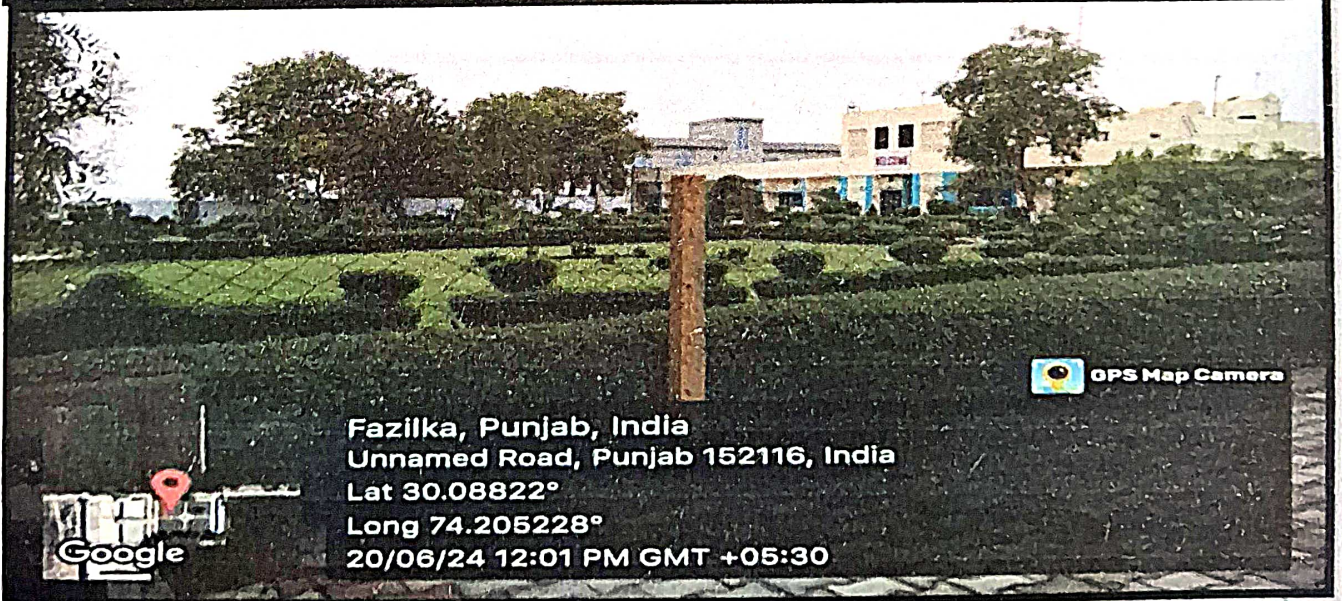
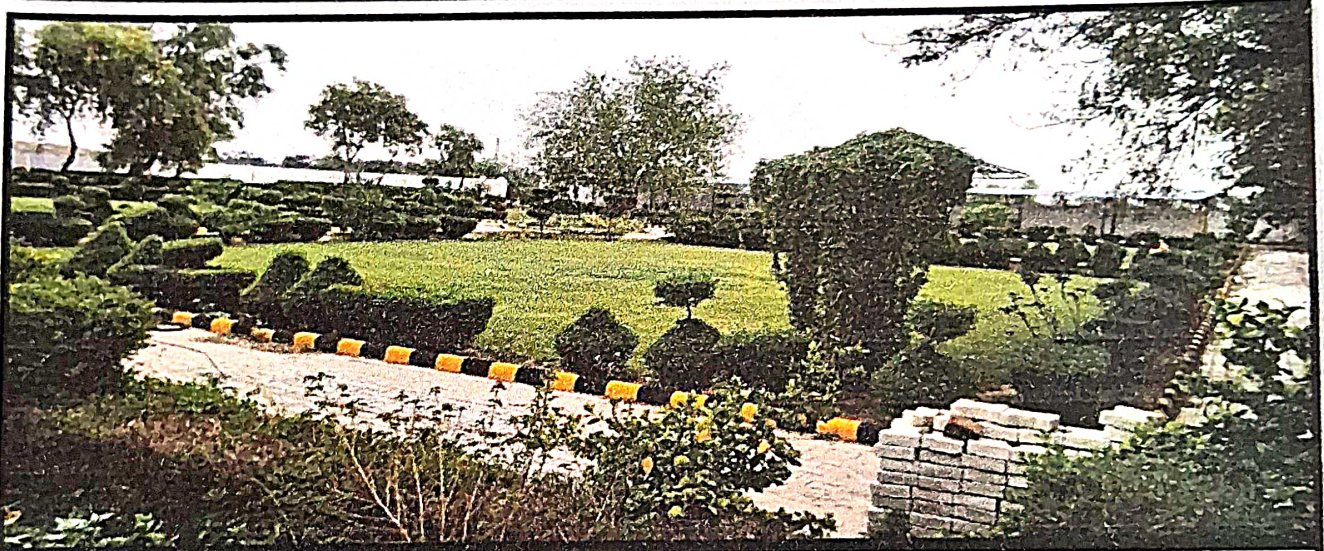
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Lush Green Campus

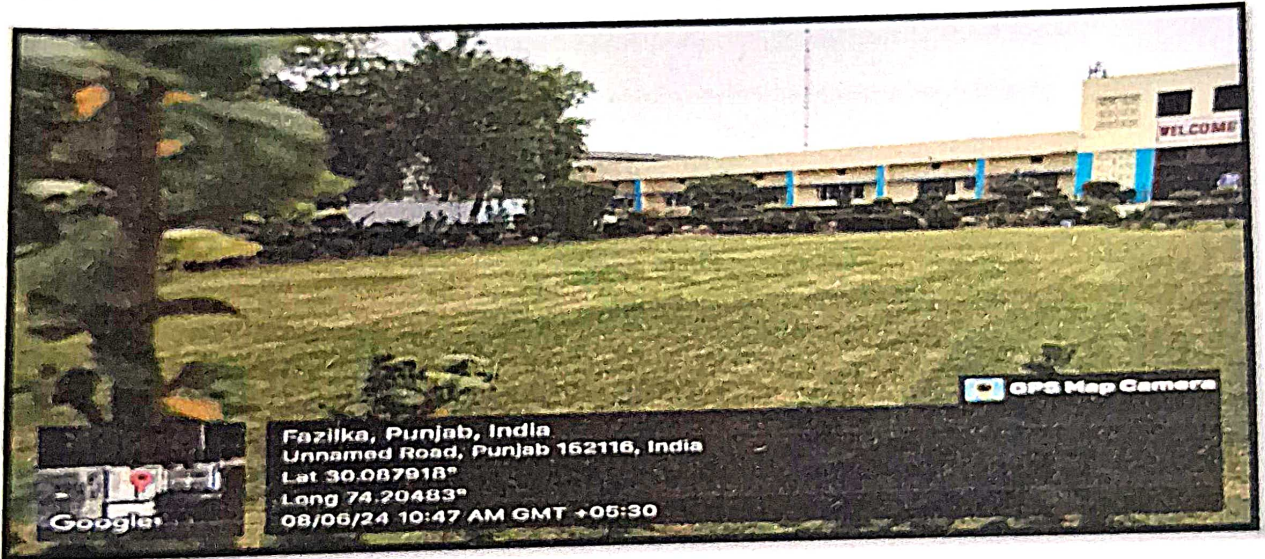


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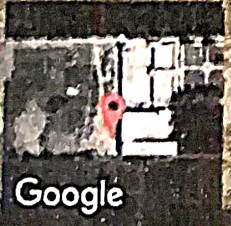
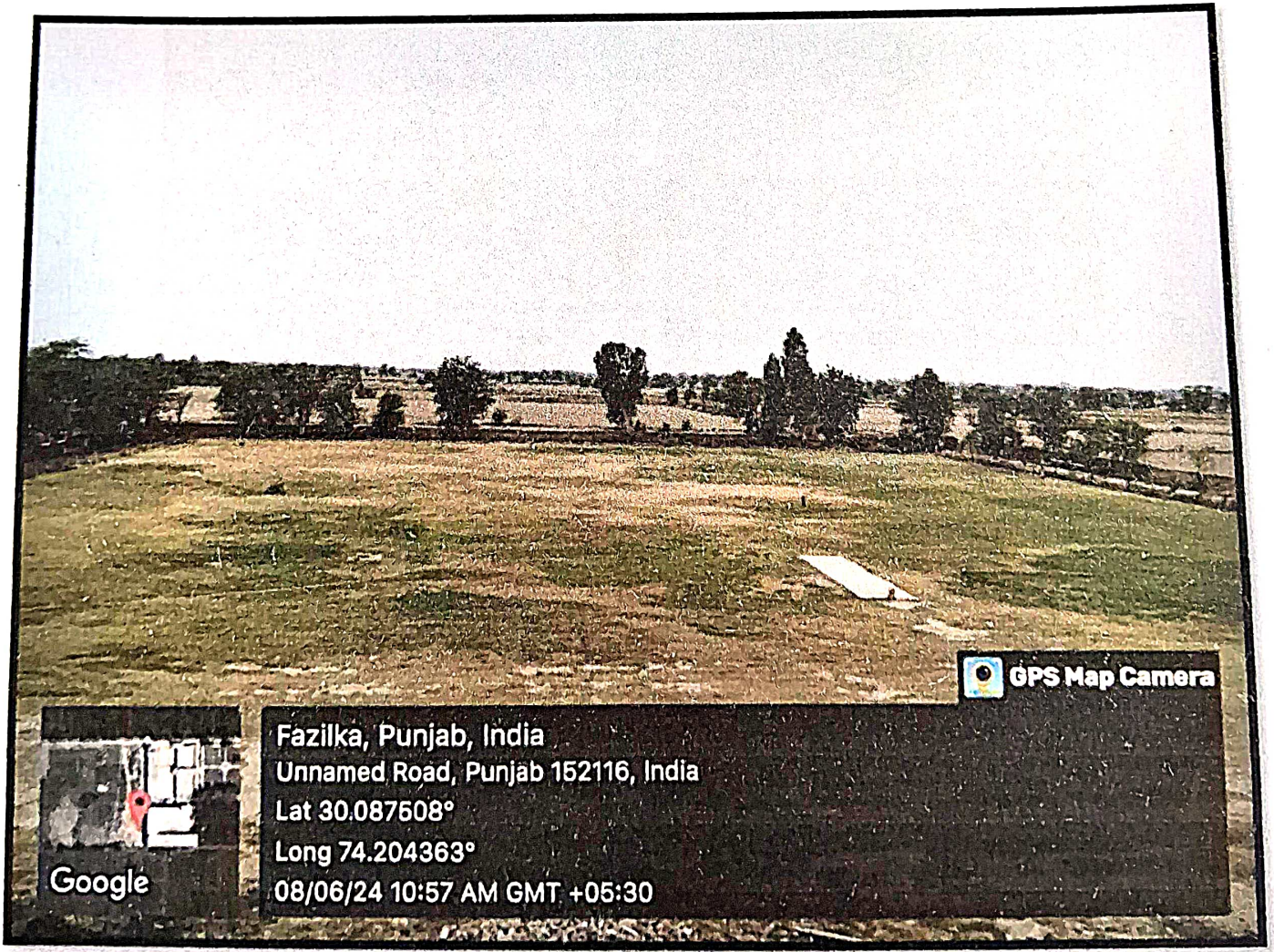
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Fazilka, Punjab, India  
Unnamed Road, Punjab 152116, India  
Lat 30.087336°  
Long 74.204469°  
08/06/24 11:02 AM GMT +05:30

GPS Map Camera



Fazilka, Punjab, India  
Unnamed Road, Punjab 152116, India  
Lat 30.087508°  
Long 74.204363°  
08/06/24 10:57 AM GMT +05:30

GPS Map Camera

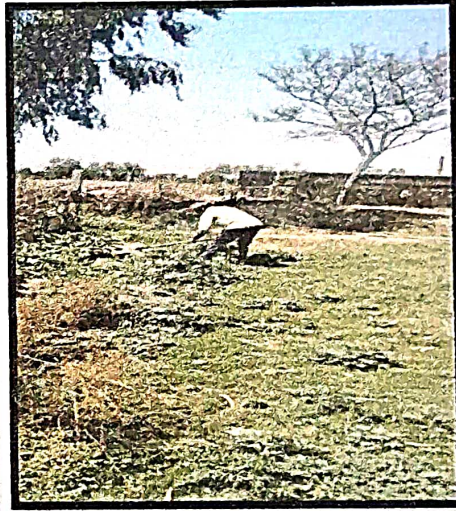
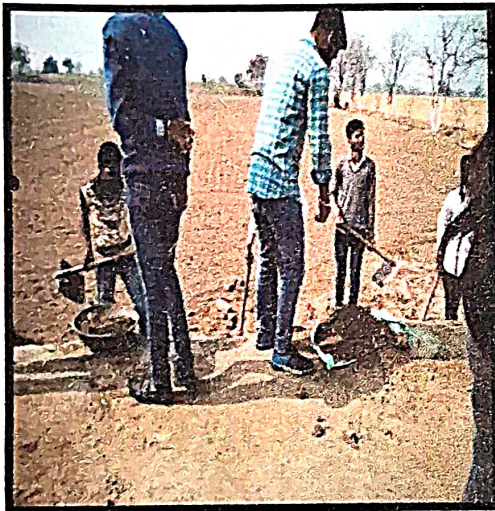
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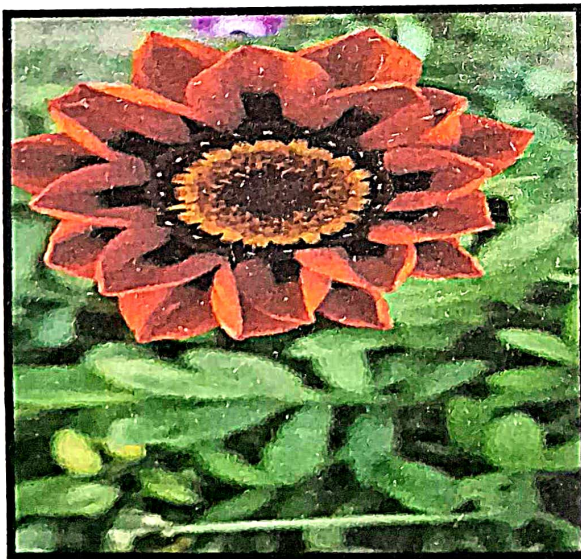
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## Cleaning Backyards, Grounds



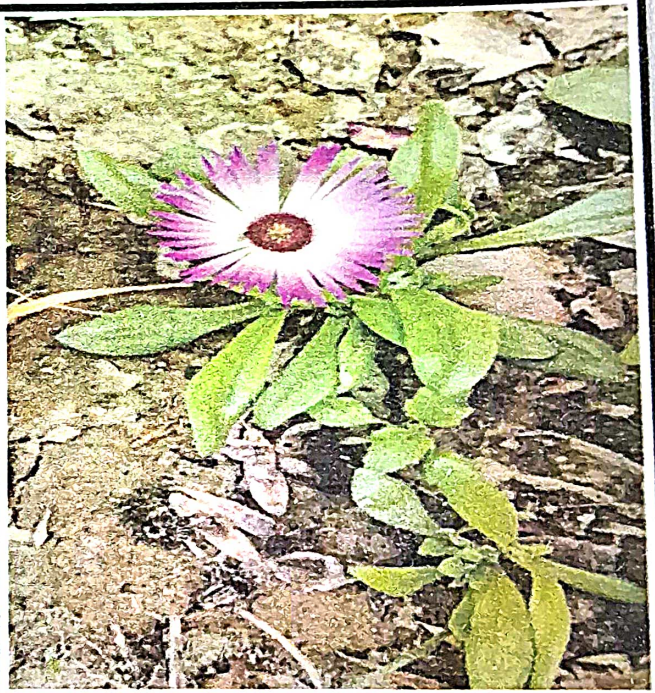
## Flora and fauna in campus





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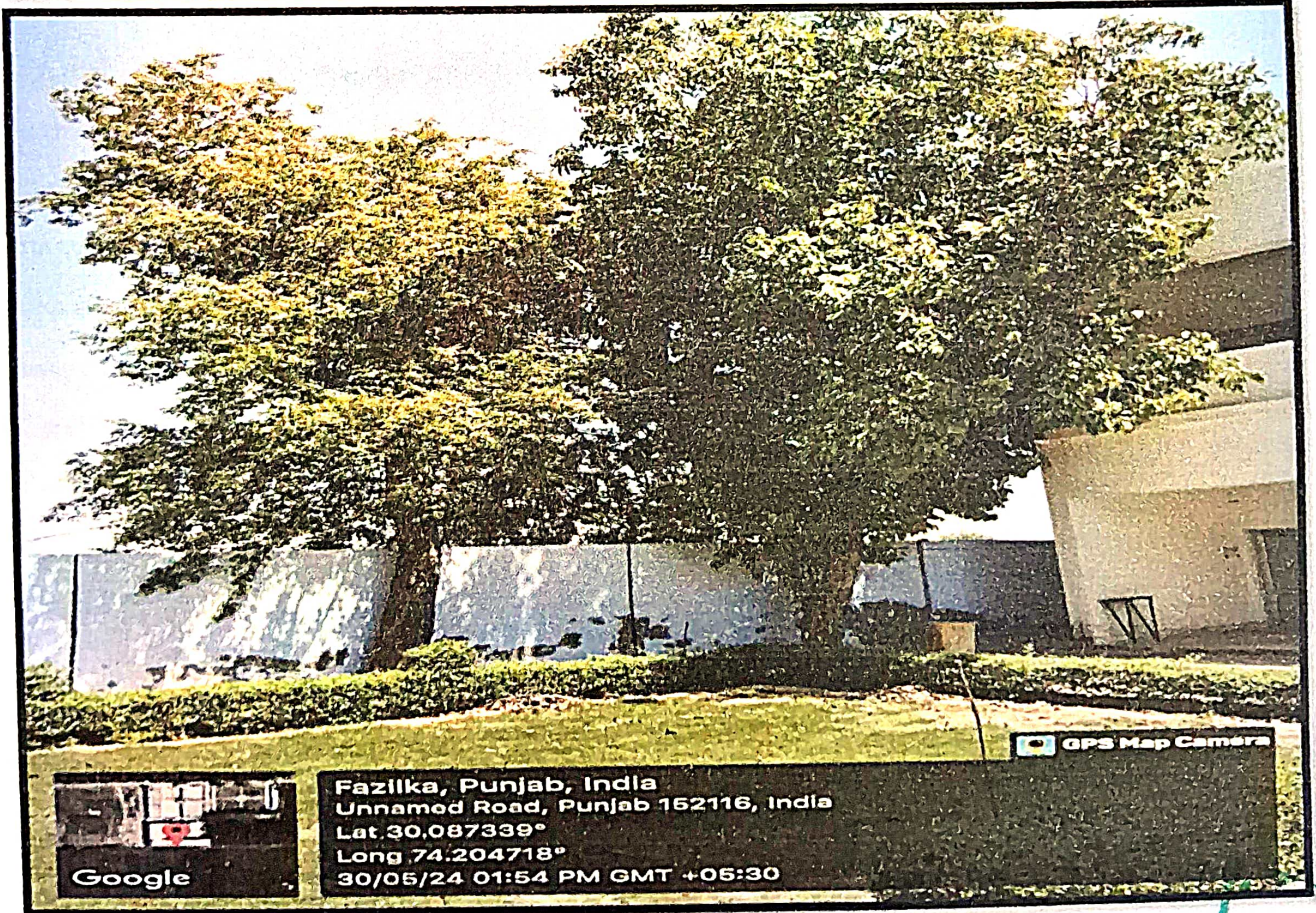


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## 5. AWARENESS PROGRAMS

### Current Status:

**Environmental Education:** The college incorporates environmental topics into the curriculum.

**Campaigns:** Timely Awareness campaigns are conducted.

### Analysis:

**Engagement:** Satisfactory level of student and staff engagement in sustainability initiatives.

**Programs:** Increase no of workshops and training sessions on environmental sustainability.

## RECOMMENDATIONS

Based on the findings and analysis, the following recommendations are made to improve the environmental performance of Syon College:

### 1. Energy Usage

**Renewable Energy:** Install more solar panels to harness renewable energy and reduce dependence on grid electricity.

**Energy Audits:** Conduct regular energy audits to identify and mitigate inefficiencies.

### 2. Water Management

**Fix Leakages:** Repair water leakages promptly to prevent wastage.

**Water Recycling:** Install systems for recycling grey water for non-potable uses.

### 3. Waste Management

**Awareness:** Conduct workshops on waste segregation and management.

### 4. Biodiversity

**Plantation Drives:** Organize tree plantation drives with a focus on native species.

**Habitat Creation:** Develop green spaces like butterfly gardens and install bird feeders.

### 5. Awareness Programs


**Regular Workshops:** Conduct regular workshops and training sessions on environmental sustainability.

**Student Involvement:** Encourage active student participation in green initiatives and clubs.

**Campaigns:** Organize frequent awareness campaigns and competitions on environmental themes.

## Conclusion

The Green Audit of Syon College highlights the need for significant improvements in various environmental aspects. By implementing the recommended measures, the college can enhance its sustainability practices, reduce its ecological footprint, and promote environmental awareness among its stakeholders.

  
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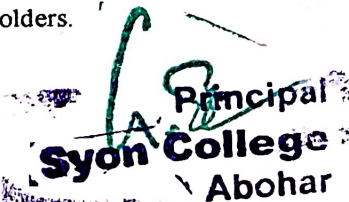
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