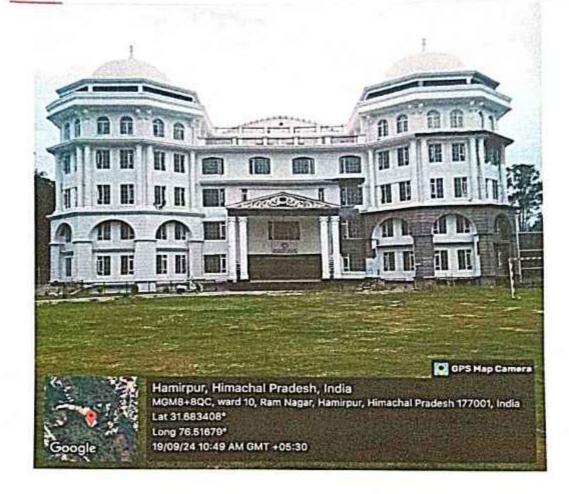


GAUTAM COLLEGE OF PHARMACY HAMIRPUR (H.P) (Approved by PCt. New Challe & Hernet Let Consumment)

Technical University, Harrogus & Herulchal Bradesh Takniki Shikaha Board, Dhararrahalla





HAMIRPUR (H.P.)

GREEN AUDIT REPORT 2023



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ward 10, Ram Nagar, Hamirpur, Himachal Pradesh 177001



GAUTAM COLLEGE OF PHARMACY HAMIRPUR (H.P) (Approved by PCL New Delth & Himachal Government) Affiliated to Himachal Pradesh Technical University, Hamilpur & Himachal Pradesh Takniki Shikaha Bisard, Driaramshala

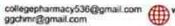
GREEN AUDIT TEAM

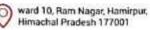
SR. NO	NAME	DESIGNATION	INSTITUTION
1.	Dr. Sanjay Kumar	Director cum Principal	GCOP
2.	Dr. Shipra	H.O.D.	Chemistry Department Gautam College
3.	Dr. Vinay	H.O.D.	Botany Department













GAUTAM COLLEGE OF PHARMACY HAMIRPUR (H.P) (Approved by PCI - New Delta & Himachal Government)

ed to Himachal Pradesh Technical University, Hamirpur & Himachal Pradesh Takniki Shiksha Roard, Dharamehala

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DISCLAIMER

GREEN AUDIT

Green Audit Team has prepared this report on the basis of primary data which was collected from the different areas of the college. All reasonable care has been taken in its preparation. Details contained in this report have been compiled in good faith which were based on information gathered.

Sr. No.	Name	Designation & Signature		
1.	Dr. Sanjay Kumar	Director sum Principal		
2.	Dr. Shipra	H.O.D.		
3.	Dr. Vinay	H.O.D.		







GAUTAM COLLEGE OF PHARMACY HAMIRPUR (H.P)

Himachal Pradesh Technical University, Harmirpor & Himachal Pradesh Takniki Shiksha Board, Dharamshala

ACKNOWLEDGEMENT

Green Audit Assessment Team thanks the Director cum Principal, Prof. (Dr.) Sanjay Kumar for assigning the task of the Green Audit of this college to us. We appreciate the cooperation that we got from all facilities and students during the entire process. Our special thanks are due to the Principal Prof. (Dr.) Sanjay Kumar for his warm support and encouragement throughout the process.

Sr. No	Name	Signature & Designation		
1.	Dr. Sanjay Kumar	Director cum Principal		
2,	Dr. Shipra	H.O.D.		
3.	Dr. Vinay	H.O.D.		



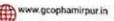






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EXCEUTIVE SUMMARY

The Gautam College of Pharmacy has undertaken a comprehensive green audit to assess its environmental sustainability and performance. This report provides an overview of the findings, recommendations, and actions required to enhance the college's environmental sustainability.

Focus Areas of the Study:

The green audit report focuses on six key areas:

- Water Management: The college's water management practices, including water usage, conservation, and wastewater management.
- Soil Quality Assessment: The condition of the soil on campus, including soil pollution, erosion, and compaction.
- Air Pollution Management: The college's air quality management practices, including air pollution sources, monitoring, and control measures.
- Noise Pollution Management: The college's noise pollution management practices, including noise sources, monitoring, and control measures.
- Energy Use and Conservation: The college's energy usage patterns, energy efficiency measures, and opportunities for energy conservation.
- Green Area: The college's green spaces, including landscaping, gardens, and green roofs.
- Environmental Awareness Initiative: The college's initiatives to promote environmental awareness among students, faculty, and staff.

Methodology:

The green audit report was prepared using a combination of desk research, site visits, and stakeholder engagement. The report covers the following:

- Review of existing documents and records
- 2. Interviews with college staff and stakeholders
- 3. Site visits to assess energy consumption, water usage, and waste management practices
- 4. Observations of environmental conditions on campus
- 5. Analysis of data on energy consumption, water usage, and waste gen-

Key Findings:

- The college has made significant progress in reducing its energy consumption through the implementation of energy-efficient lighting and HVAC systems.
- The college's water usage is high due to inefficient fixtures and lack of water conservation measures.
- Soil pollution is a concern on campus due to chemical spills and improper disposal of hazardous waste.
- Air pollution is a concern on campus due to diesel generator emissions and vehicle exhaust.
- 5. Noise pollution is a concern on campus due to construction activities and vehicle traffic.
- The college has limited green spaces, which can be improved through landscaping and garden initiatives.
- 7. Environmental awareness initiatives are limited among students, faculty, and staff.

Conclusion:

6

The green audit report provides a comprehensive assessment of the Gautam College of Pharmacy's environmental sustainability and performance. The report highlights areas of strength and weakness, providing recommendations for improvement. By implementing these recommendations, the college can reduce its environmental footprint, improve its sustainability performance, and create a healthier and more sustainable environment for its students, faculty, and staff.

Annexure - I: List of Trees & Plants Spotted in & Around Gautam College of Pharmacy:

This annexure provides a list of trees and plants spotted in and around the Gautam College of Pharmacy campus during the site visit.

INTRODUCTION

Girl's Management Committee Hamirpur. Gautam College of Pharmacy, situated in the heart of Hamirpur city and emerged as an iconic institution with a prominent symbol of excellence and pioneering spirit in the field of pharmaceutical education. Our college is dedicated to cultivating a rich academic environment led by a highly knowledgeable faculty. Alongside the academic excellence, Gautam college of Pharmacy emphasizes on fostering industry interactions, recognizing their significance in the Professional & holistic development of students. Gautam College of Pharmacy offers courses in D. Pharmacy, B. Pharmacy and M. Pharmacy in Pharmaceutical Chemistry specialization. Gautam College of Pharmacy fosters an environment that encourages students to go beyond classroom boundaries and become well-prepared pharmaceutical professionals ready to excel in the industry. Each department of the college is deeply committed to collaborations with the industry, particularly for the benefit of its postgraduate students. GCOP is committed to continuous improvement and keeping pace with the evolving demands of the profession.

Our college believes that by fostering a strong connection between academia and industry, we can better prepare students to meet the challenges and opportunities that lie ahead in the pharmaceutical industry. The integration of academic excellence, innovation, and industry relevance is a key aspect of the college's approach to ensure its graduates are well-equipped for a successful and fulfilling career.

Name of the College	Gautam College of Pharmacy, Hamirpur
Principal	Prof. (Dr.) Sanjay Kumar
Establishment	01/08/2019
Affiliated to	Himachal Pradesh Technical University Hamirpur
AISHE Code	C-62929
Campus Area	2.0 Acre

Departments

Pharmacy

Satellite Images of Gautam College of Pharmacy, Hamirpur (H.P.)





VISION

To be a globally recognized institution known for ethical, innovative and competent pharmacy professionals and contributes to the betterment of healthcare system of society.

MISSION

- Committed to provide a Learner-Centric Environment for Professional & Holistic Development.
- 2. To inculcate the spirit of Training, Research, Innovation & Entrepreneurial skills.

3. To provide a value-based education and Strong Foundation for Diverse Roles in Pharmacy Profession.

OBJECTIVE OF THE STUDY

- To Upgrade Environmental Condition: To improve the environmental condition in and around the Gautam College of Pharmacy campus by implementing waste management, energy-saving measures, and other initiatives to become a better environmentally friendly institution.
- To Ensure Environmental Security: To secure the environment and reduce threats posed to human health by ensuring compliance with environmental regulations and standards.
- To Assess Water and Soil Quality: To assess the quality of water and soil in the Gautam College of Pharmacy campus and identify areas for improvement.
- To Monitor Energy Consumption: To monitor the energy consumption pattern of the college and identify opportunities for energy savings.
- To Quantify Waste Generation and Management: To quantify the liquid and solid waste generation and management plans on campus, and provide a database for corrective actions and future plans.
- To Avoid Environmental Disruptions: To avoid environmental disruptions that are difficult to handle and require high-cost corrections.
- To Promote Sustainable Development: To suggest best practices for sustainable development and identify gap areas for improvement in the Green Campus status of Gautam College of Pharmacy.
- To Improve Environmental Performance: To empower the college to frame a better environmental performance by identifying areas for improvement and providing recommendations for corrective actions.
- These objectives aim to help Gautam College of Pharmacy achieve a better environmental performance, reduce its environmental impact, and promote sustainable development.

METHODOLOGY

The Green Audit of Gautam College of Pharmacy was conducted in three stages: pre-audit, audit, and post-audit.

Pre-Audit Stage:

- Identification of Target Areas: The following areas were identified as target areas for environmental auditing:
 - Water management
 - o Air Pollution Management
 - Noise Pollution Management
 - Energy use & conservation
 - Waste Management
 - o Green Belt area & Bio-diversity
 - Environmental Initiative
- Preparation of Questionnaire: A questionnaire was prepared to gather information from stakeholders and collect data on the environmental status of the campus.

Audit Stage:

- Physical Inspection: A physical inspection of the campus was conducted to assess the environmental conditions and identify areas for improvement.
- Observation: Observations were made of the waste management practices, energy conservation strategies, and other environmental initiatives on campus.
- Review of Documentation: College records and documents were reviewed to verify the data collected through surveys and discussions.
- Interviews: Key personnel, including staff and learners, were interviewed to gather information on their usage patterns, frequency, and general characteristics of certain appliances.
- 5. Data Collection: Data was collected in sectors such as:
 - Energy
 - o Waste
 - Greening
 - Carbon footprint
 - Water use
- Sampling: Environmental samples, including water and soil from various
 the campus, were collected and analyzed.

Post-Audit Stage:

- Final Report Production: A comprehensive final report was prepared based on the findings of the audit.
- Action Plan Preparation: An action plan was prepared to overcome the flaws identified during the audit and to implement recommendations for improvement.
- Monitoring: The action plan was monitored to ensure its implementation and effectiveness.

Tools and Techniques Used:

- 1. Questionnaire survey
- 2. Physical inspection
- 3. Observation
- 4. Review of documentation
- 5. Interviews
- 6. Data analysis
- 7. Sampling and analysis of environmental samples

By following this methodology, the Gautam College of Pharmacy Green Audit Report aims to provide a comprehensive assessment of the college's environmental performance and identify areas for improvement.

WATER MANAGEMENT

Water is a vital natural resource that is essential for all living organisms. However, the availability of portable water for human consumption is limited. The College's water management system plays a crucial role in ensuring that students, staff, and faculty have access to safe and clean drinking water.

Source of Water:

The College's source of water is two wells present on the campus, which are recharged with rainwater from the roof. This sustainable method of recharging the wells ensures that the water is not only replenished but also filtered naturally.

Water Usage:

- A total of 8000 L of water is pumped out from the well every day.
- The water usage is distributed among various departments, including the laboratory, cafeteria, and restrooms.

Water Conservation Measures:

- The College has implemented a rainwater harvesting system to recharge the wells, which helps to reduce the demand on the groundwater resource.
- Efforts are being made to reduce water waste by fixing leaky faucets and installing lowflow showerheads.

Challenges and Opportunities:

- One of the biggest challenges facing the College is the increasing demand for water due to the growing student population.
- An opportunity for improvement is to explore alternative sources of water, such as installing a water treatment plant or connecting to a municipal water supply.

SL NO	PARAMETERS	RESPONSE	
1.	Source of water	Bore	
2.	No of Wells	1	
3.	No of motors used	1	
4.	Horsepower Motor	HP-2	

5.		
	Capacity of tank	Tank 1 2000 L Tank 2 4000 L
6.	Quantity of water pumped every day	4000 L
7.	Water users on the campus	Students, Teachers, Administrative staff
8.	Any water wastage/why?	nil
9.	Water usage for gardening	100 L /day
10.	Wastewater sources	Labs, canteen, R.O etc.
11.	Use of wastewater	Reuse of wastewater generatedby the Reverse Osmosis Systemgarden or washroom
12.	The fate of wastewater from labs	After neutralization, wastewater is used forgroundwater recharge
13.	Rainwater harvest available?	yes
14.	Amount of water lost per day	NIL
15.	Any leaky taps	No

(6)

16,	Any wastewater treatment for lab water	After neutralization, wastewater is used for groundwater recharge but no treatment plant
17.	Whether any green chemistry method practiced in labs	Yes, Semi-micro scale analysis is followed & Synthesis in green approach is taught
18.	Any water management plan used?	Internal Water management Policy
19.		Conventional methods for example Put signs near the basins to remind students to turn off taps as soon as they wash their hands, Detect and repair leaks so that wastage of water will get reduce. Avoid flushing the toilet unnecessarily, Dispose of tissues, insects and other similar waste in the dustbins rather than the toilet. etc. are followed.
20.	Are there any signs reminding people to	Yes with the help of poster

Table 1 - Water Management Scenario

Activity	Water used per activity (in Litter)	0.549356525305552		No. of people using water (On an average)	Total water consumption per Day
Hand and fa	асе				^
wash	0.51 L	2	1-2 L	325	325 I



GAUTAM COLLEGE OF PHARMACY HAMIRPUR (H.P)

Ref No:	_		
	-	_	

WATER ANALYSIS REPORT

Name	Water Sample GCOP	
Date of Analysis	13-09-2024	
Date of Sample	13-09-2024	
Type of Water Analysis	R. O. Product Water	
Sample Collection Point	R. O. Product Storage Tank 1	

Test	Control Limits				
	Highest Desirable	Max. Permissible	Result	Analyst Name	Analyst Sign.
Colour	Colourless	Colourless	Colourless	Vikrand	UASA
Odor	Odorless	Odorless	Odorless	Sull	W.
pH Value	6.5-7.5	6.5-8.5	7.2	Amery	6-
Conductivity		u u	109 ps/cm	Vikrand	ilws
T. D. S.	500	1000	120 mg/l	Shorted Same	- Jane
Dissolved Oxygen	•	<u>-</u>	9.2 ppm	Yanaha Devi	Vand
Total Hardness	100	300	8.8 mg/l as CaCO ₃	My Poonan	Pun
Calcium Hardness	75	200	4.7 mg/l as CaCO ₃	Qui	(2) Li
Magnesium hardness	30	200	4.1 mg/l as CaCO ₃	Mrs Shivani Shows	Chionish
M. Alkalinity	120	200	18.6 mg/l as CaCO ₃	29 155	Ann
Chloride	200	500	25 mg/l as Cl	Africh Soic	dun
Iron	0.1	1.0	0.01 mg/l as Fe ²⁺	Mhalaka	dos
Sulphate	250	500	0.214 mg/l as SO ₄ 2-	Ashirtosan	day

Remarks: The Analysis Results meet the desirable limits of IP, WQAA Guidelines for the Drinking Water.



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SOIL QUALITY ASSESSMENT

Soil Samples were collected from three location of the college and analysed for the basic parameters. The results are tabulated and presented in the table below.

Parameter	Location 1	Location 2	Location 3
pH	7.2	7.12	7.11
Total Kjeldhal Nitrogen (mg/kg)	0.7	0.6	0.73
Total Organic Carbon (%)	1.3	1.1	1.5
Phosphate (mg/kg)	11	09	13

AIR POLLUTION MANAGEMENT

Air Pollution Parameters:

- The college premises are rich in greenery, and there is no commercial industrial activity nearby, making it less likely for air pollution from outside sources.
- The parameters of air pollution recorded are below the average limit prescribed by the CPCB (Central Pollution Control Board).
- The air pollution is more significant at the time of ignition off and on compared to riding mode.

Vehicle Emissions:

- There are 50 two-wheelers and 8 four-wheelers that come to the college premises daily.
- There is no system in place to check for PUC (Pollution Under Control) certificates,
 Vehicle Exhaust Gas Analysis, and Vehicular movement noise and vibration pollution.

Recommendations:

- Celebrate World Environment Day on June 5th every year, involving the whole college students and staff in taking an oath for environmental conservation.
- 2. Regularly monitor, analyze, and check exhaust gases.
- 3. Promote the use of bicycles on campus and keep the parking zone neat and clean.

Other observations:

- The college has been conducting awareness programs for staff, students, and society to
 protect and maintain the environment.
- The college students and faculty members are involved in activities through NSS/NC

NOISE POLLUTION MANAGEMENT

Objective: To reduce noise pollution on the college campus and maintain a peaceful environment for students and staff.

1. Silence Zones:

- Declare specific areas like the library, classrooms, and quiet study areas as Silence Zones.
- Display boards will be placed in these areas to remind students and staff to maintain silence.
- Enforce silence in these areas through regular monitoring and fines for violators.

II. Noise Control:

- Adopt a "no-honking" policy on campus to prevent unnecessary noise pollution.
- Designate certain areas like corridors and stairways as noise-free zones.
- Install noise-reducing materials in areas prone to noise pollution, such as auditoriums and lecture halls.

III. Vehicular Movement:

- Restrict vehicular movement within the college campus by setting boundaries.
- Promote bicycle usage among students and staff by providing designated parking areas and incentives.
- Implement a "no-honking" policy for vehicles within the campus.

IV. Monitoring and Enforcement:

- Conduct regular noise level monitoring using sound level meters as per the guidelines
 of the Pollution (Regulation and Control) Rules 2000.
- Regularly inspect and test vehicles on campus to ensure compliance with Central Motor Vehicle Act 1988.
- Impose fines on violators of noise pollution rules and regulations.

Recommendations:

- Noise Level Monitoring shall be done as per the guidelines of Pollution (Regulation and Control) Rules 2000.
- Vehicular exhausts shall be examined regularly in the college as per the Central Motor Vehicle Act 1988.
- Vehicular movement shall be restricted by putting a boundary limit and beyond that limit bicycle usage shall be promoted to all students and staff.

By implementing these measures, Gautam College of Pharmacy can significantly reduce noise pollution on its campus and create a more peaceful environment for its students and staff.

ENERGY USE AND CONSERVATION

Energy Consumption:

- Electrical Energy: The college relies heavily on electrical energy as its primary source
 of power. The exact amount of electrical energy consumed is not provided, but it is
 likely to be a significant portion of the total energy consumption.
- Diesel Energy: Diesel is used as an alternative source of energy, likely for backup
 purposes or for specific applications that require diesel power. The amount of diesel
 energy consumed is not specified, but it is likely to be relatively smaller compared to
 electrical energy consumption.
- Solar Power: The college uses solar power as a renewable energy source, which is a
 positive step towards reducing its carbon footprint and conserving energy.

ENERGY AUDIT REPORT

Uses	Number	Power Consumption whenever in used (8 hours)
FAN (44 W)	248	87.696 kWh
TUBE LIGHT (20 W)	413	66.208 kWh
LED LAMP (5W)	277	11.08 kWh



WASTE MANAGEMENT AUDIT

Waste Poses a significant threat to the environment, contributing to pollution and harming the earth's ecosystems. Gautam College of Pharmacy recognizes the importance of responsible waste management and is committed to implementing sustainable practices to minimize its environmental impacts.

Waste materials in colleges are divided into two categories, i.e., biodegradable and nonbiodegradable as wet waste and dry waste respectively.

1. Solid & Liquid Waste Management:



To promote responsible waste disposal, Gautam College has introduced a system of separate dustbins placed strategically throughout the campus. These dustbins are color-coded to facilitate easy identification and encourage proper waste segregation:

 Blue Dustbins: Reserved for recyclable materials such as plastic bottles, glass containers, metal cans, and paper products. By encouraging the recycling of these materials, we aim to minimize the use of raw resources and reduce environmental pollution.

- Red Dustbins: Used for non-recyclable and hazardous waste, including items like broken glass, used batteries, and other materials that require special disposal methods. This ensures that such waste is handled appropriately to prevent harm to both the environment and public health.

- 2. E-Waste Management: The Electronic waste generated on the campus, includes computer systems and laboratory equipment's. Outdated computer system is repaired or updated, while damaged system and electronic components are disposed of through the e-waste scrap dealer.
- Biomedical Waste Management: GCOP has a MOU signed with the specific company i.e Suraksha Bio- Sanitizer which collects all the biomedical waste which is generated by the Gautam College of Pharmacy Hamirpur, Himachal Pradesh.
- 4. Hazardous Chemical Waste Management: Proper disposal of hazardous chemicals is ensured through designated containers in laboratories. Acids and alkalis are diluted and washed down drains with excess water. Waste from the microbiology labs, chemistry labs and other areas are carefully discarded through eco-friendly channels, ensuring minimal impact on the sewage system. By implementing these waste management practices, the college contributes to environment protection and sustainability.

AWARENESS CAMPAINS



Gautam College of Pharmacy actively engages students and staff through awareness campaigns focused on the importance of water conservation. Proper rallies are organized to educate the college community about sustainable practices and encourage responsible water usage.

OVERAL RECOMMENDATION

Recommendations:

- Implement measures to reduce energy consumption, such as installing solar panels or wind turbines.
- Conduct regular soil testing to identify pollutants and implement measures to prevent soil pollution.
- Implement air quality management practices, such as installing air purifiers or reducing diesel generator emissions.
- Implement noise pollution management practices, such as soundproofing or reducing construction activities during peak hours.
- 5. Increase green spaces by implementing landscaping and garden initiatives.
- Promote environmental awareness among students, faculty, and staff through campaigns, workshops, or events.

Overall, the college has made some positive efforts towards sustainability, but there are still areas that require improvement. By implementing these recommendations, the college can reduce its environmental footprint and create a healthier and more sustainable environment for its students, faculty, and staff.

GREEN AREA

The Green Belt Area is meant for the conservation of nature and aesthetic value of the college premises. The Green Area in the college 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 programs.

List of Plants in vicinity

Sr. Plant Name No.		Botanical name	
1	Aloe vera	Aloe barbedensis	
2	Belladona	Atropa belladona	
3	Apium	Apium gravelens	
4	Neem		
5	barberry	Berberis vulgaris,	
6	Marigold	Calendula officinalis	
7	Papaya	Carica papaya	
8	Cinchona	Cinchona officinalis	
9	Lemon	Citrus lemon	
10	Turmeric	Curcuma longa	
11	Digitalis	Digitalis lanata	
12	Ephedra	Ephedra sinica	
13	Horsetail	Equisetum arvense	
14	Coca	Erythroxylum coca	
15	Eucalyptus	Eucalyptus globulus	
16	Ginkgo	Ginkgo biloba	
17	Jasmine	Jasminum officinale	
18	Lavender	Lavandula angustifolia	
9	Flax seed	Linum Usitatissimum	
0.0	Liquorice	Glycyrrhiza glabra	
1	Tulsi	Ocimum tenuiflourum	
2	Guava	Psidium guajava	
3	Rauwolfia	Rauwolfia serpentina	

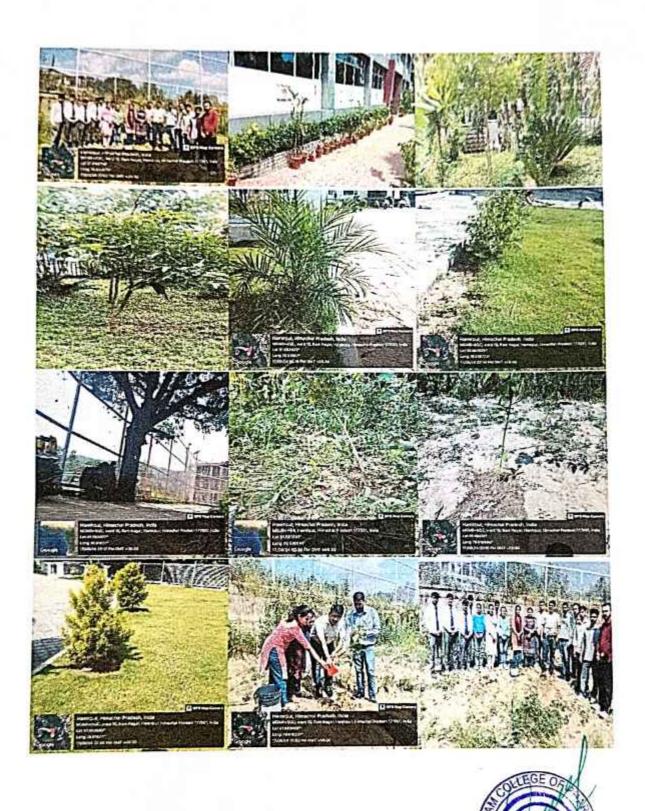


24	Rosemary	Rosmarinus offcinalis	
25	Sandalwood	Santalum album	
26	Ashoka	Saraca indica	
27	Vaska	Adatoda vasica	
28	Ashwagandha	Withania somnifera	
29	Shatavari	Asparagus racemosus	
30	Kachnar	Bauhinia variegata	
31	Akasbel	Cuscuta reflexa	
32	Shisham	Dalbergia sisoo	
33	Dioscorea	Dioscorea deltoida	
34	Mentha	Mentha sylvestris	
35	Amla	Emblica officinalis	
36	Ritha	Sapindus mukorossi	
37	Giloe	Tinospooria cordifolia	
38	Tirmira	Zanthoxylum	
39	Vinca	Catharanthus roseus	
40	Arjuna	Terminalia arjuna	
41	Harad	Terminalia chebula	
42	Behada	Terminalia bellrica	
43	Shikakai	Acacia concinna	
44	Bhringraj	Eclipta alba	
45	Punarnava	Boerhavia diffusia	
46	Karkatshringi	Pistaci integerrima	
47	Gymnema	Gymnema sylvestre	
48	Daruhaldi	Berberis aristata	
49	Shankhpushpi	Evolvulus alsinoides	
50	Mokaye	Solanum nigrum	
51	Malkangni	Celastrus paniculantus	
52	Nagkesar	Mesua Ferrea	
53	Tejpata	Cinnamomum tamala	
54	Cinamon	Cinnamomum verum	
55	Curry leaves	Murraya koenigil	

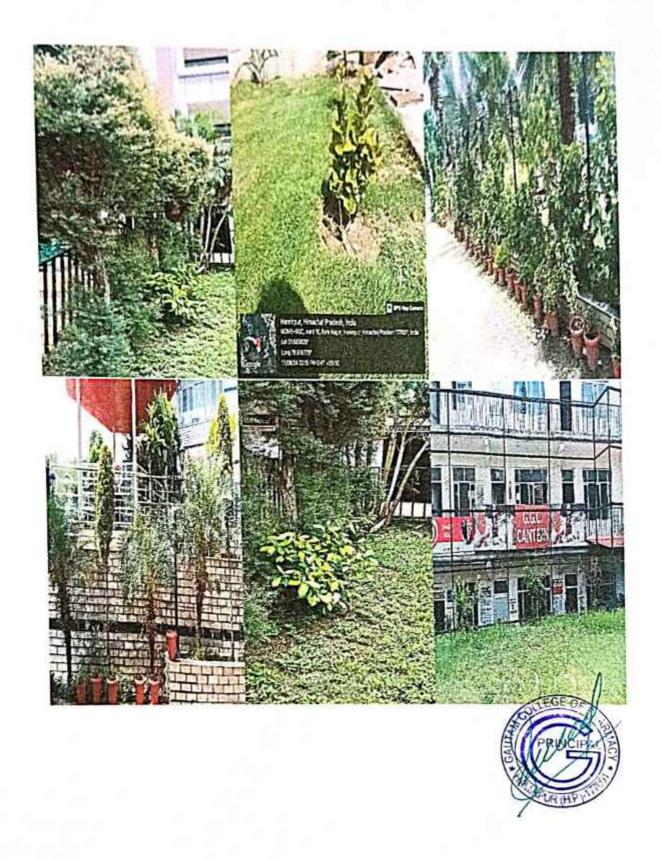
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56	Cardamom	Elleria cardamom
57	Ginger	Gingerber officinale
58	Senna	Cassia angustifolia
59	Guggul	Commiphora weightii
60	Safed Musali	Chlorophytum borivillanum
61	Nirgundi	Vitex Negundo
62	Aparajita	Cilotoria ternatea
63	Kalmegh	Andrographis paniculata
64	Betel	Piper betle
65	Lemongrass	Cymbopogon citratus
66	Bryophyllum	Bryophyllum Pinnatum
67	chitrak	Plumbago zeylanica
68	Nagarmotha	Cyperus scariosus
69	Amaltas	Cassia fistula
70	Artemisia	Artemisia maritima
71	Grey oak	Quercus glauca
72	Chenopodium	Chenopodium alum
73	Ricinus (Arand)	Ricinus communis
74	Shoe flower	Hibiscus rosa
75	Barleria	Barlera cristata

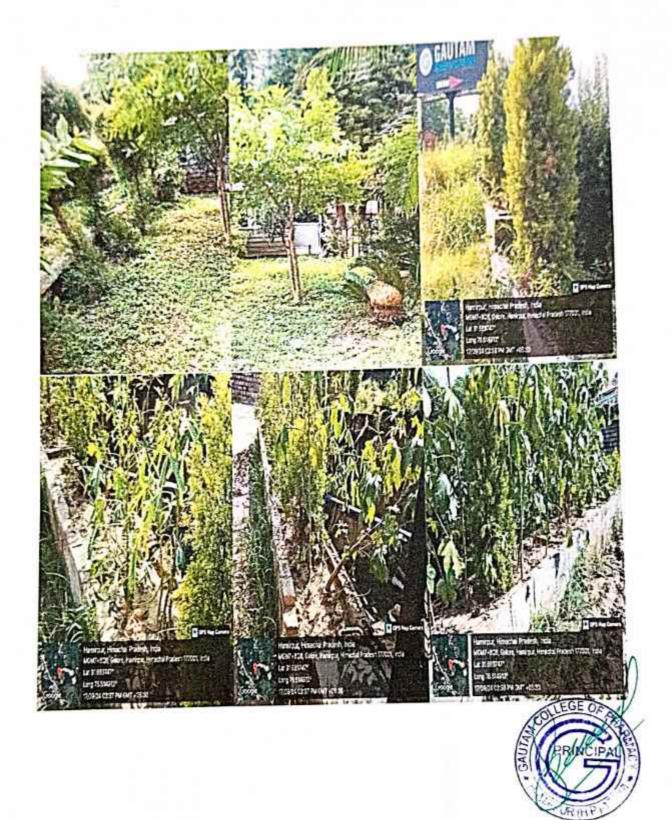
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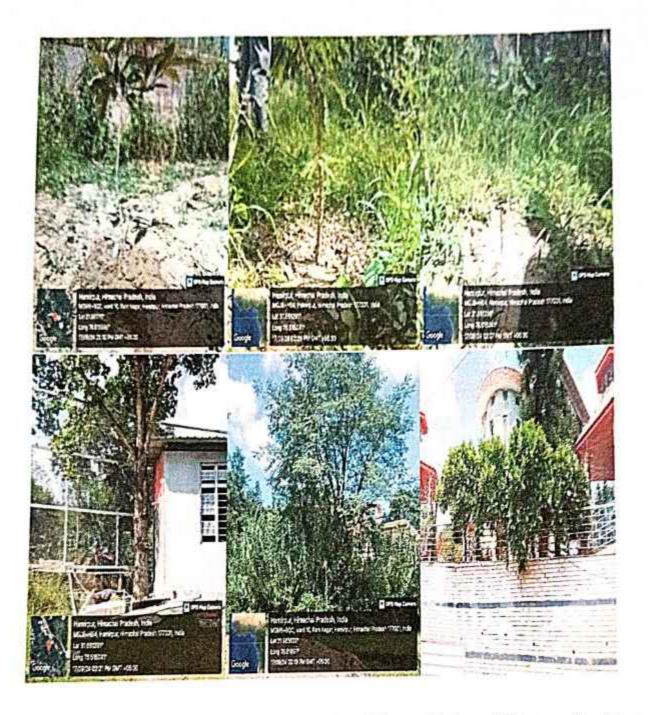






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Images of different Plants/Trees in the vicinity of Gautam College of Pharmacy Hamirpur

(H.P.)

श्री बाला जी फलाबर नर्सरी हमारे यहाँ गाहियों की राजाबट भी की जाती है। 11 कि हार, बाठ दुमलू, पहरील बहरार, जिला हमीरपुर-177119

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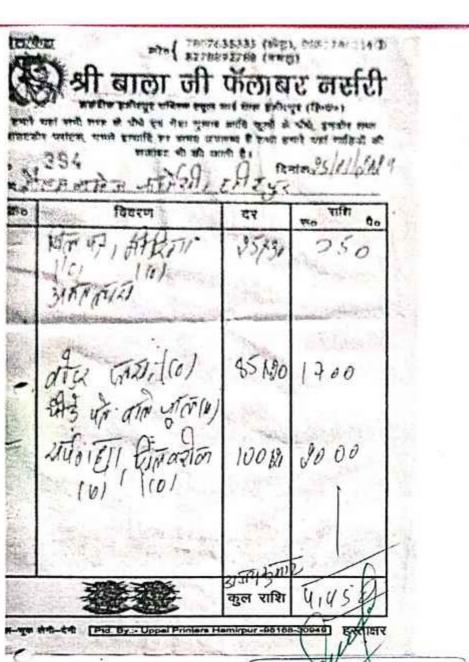
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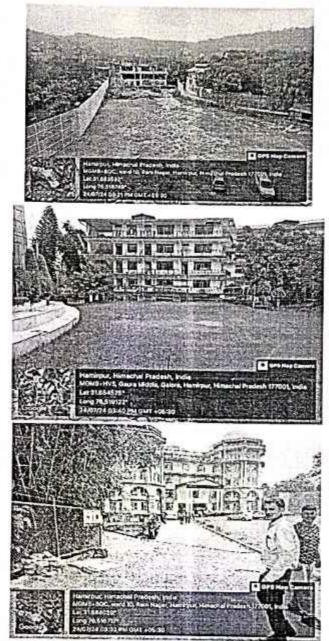
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LANDSCAPIN WITH TREES AND PLANTS



Gautam College of Pharmacy, recognize the importance of a healthy and vibrant environment that fosters both academic excellence and personal well-being. The landscaping initiative, particularly around the girls' hostel and throughout the campus, is designed to create a lush green oasis that not only enhances the visual appeal of surroundings but also promotes a sustainable and eco-friendly atmosphere for our students Gautam/College of Pharmacy

Hamirour (H.P.) 177001

Landscaping Around the Girls' Hostel

The girls' hostel is a vital part of campus community, and our landscaping efforts here are particularly focused on creating a safe and nurturing environment:

- Shade and Comfort: Strategically planted trees provide shade and comfort for students, making outdoor areas more enjoyable during hot weather.
- Gardens for Relaxation: Beautiful flower beds and garden spaces have been established to offer students a peaceful retreat from their studies, fostering mental well-being.

RECOMMENDATION

· Paperless office can be adopted.

Awareness programs and trainings for newly joined students.

Conducting Seminars and Workshops regularly to make the campus green.

 Conducting competition amongst students to promote ideas in sustainability initiatives.

Principal

Gautan College of Pharmacy

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