



ENVIRONMENT AUDIT REPORT FOR SHRI GURU RAM RAI UNIVERSITY



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Table of Contents

Content	Page No.
Acknowledgement	3
Site Information	4
Concept	5
Introduction	6
Overview of Campus	7
Audit Objectives	11
Executive Summary	12
Environmental Audit - Questionnaire	13
Recommendations	22
Photographic Evidences	23
Conclusion	26
References	27
Disclaimer	28



Acknowledgement

Elion Technologies and Consulting Pvt Ltd thanks the management of Shri Guru Ram Rai University, Patel Nagar, Dehradun for assigning this important work of Environmental Audit. We appreciate the co-operation to our team for completion of study.

For giving us necessary inputs to carry out this very vital exercise of Environment Audit. We are also thankful to other staff members who were actively involved while collecting the data and conducting field measurements.



Site Information

Name of College	Shri Guru Ram Rai University
College Address	Patel Nagar, Dehradun
Execution Partner	ELION Technologies & Consulting Pvt Ltd
Communication Address	307, 3rd Floor DDA Lal Market H-Block Vikas Puri, New Delhi, 110018
Date of Audit	11 th January, 2026
Year of Audit	2025-26
Audit Participants	University
Total College Area	80 acres



Concept

The term 'Environmental audit' means differently to different people. Terms like 'assessment', 'survey' and 'review' are also used to describe similar activities. Furthermore, some organizations believe that an 'environmental audit' addresses only environmental matters, whereas others use the term to mean an audit of health, safety and environment-related matters. Although there is no universal definition of Environmental Audit, many leading companies/ institutions follow the basic philosophy and approach summarized by the broad definition adopted by the International Chambers of Commerce (ICC) in its publication of Environmental Auditing (1989).

The ICC defines Environmental Auditing as:

"A management tool comprising a systematic, documented, periodic and objective evaluation of how well environmental organization, management and equipment are performing with the aim of safeguarding the environment and natural resources in its operations/projects."

The European Commission, in its proposed regulation on environmental auditing, has also adopted the ICC definition of Environmental Audit.



Introduction

A clean and healthy environment aids effective learning and provides a conducive learning environment. There are various efforts around the world to address environmental education issues.

Environmental Management Systems (EMS) is very popular in the industrial sector, but the general belief is that EMS is something pertaining to industries only. Other parts of the world have started adopting compatible environmental management systems either voluntarily or for promoting standards by external certification. International environmental standards do not suit the existing Indian educational system.

A very simple indigenized system has been devised to monitor the environmental performance of educational institutions. It comes with a series of questions to be answered on a regular basis. Environmental conditions may be monitored from angles that are relevant to Indian requirements, without stress on legal issues or compliance. This innovative scheme is user- friendly and totally voluntary. The environmental monitoring system helps the institution to set environmental examples for the community and to educate young learners. It can be adapted to urban and / or rural situations.



Overview of Campus

Shri Guru Ram Rai University was established by a religious and philanthropic leader, Shri Mahant Devendra Dass Ji Maharaj in the year 2017. It is situated in the heart of city , Uttarakhand. We are extremely privileged.

SGRR University to impart quality education and in successfully placing more than 80% students in various companies across the globe. SGRR University has humongous campus spread over 100 acres of land . Its state-of-art facilities give opportunities to develop leadership skills and to achieve professional excellence. It has 10,000+ students from different countries, 29 states and Union Territories and providing cultural melange and global exposure to our students. One of the biggest boosts from University is its unmatched experience of 72 years of in delivering quality education that helps to develop confidence

List of courses offered by the institute:

S.No	Name of the Program
1	Bachelor in Business Administration
2	B.Com (General)
3	Master in Business Adminstration
4	MHA
5	<u>M.Com</u>
6	BHA
7	BHM
8	Bachelor of Computer Applications (BCA)
9	Master of Computer Applicatiohs(MCA)
10	Bachelor of Science in Information Technology (BSc IT)
11	Bachelor of Technology in Computer Science and Engineering (BTech CSE)
12	Bachelor of Technology in Computer Science (BSc CS)
13	Doctor of Philosophy (PhD CS)
14	Diploma In Pharmacy (D.Pharm)
15	BACHELOR IN PHARMACY
16	BACHELOR IN PHARMACY (Lateral Entry)
17	MASTER OF PHARMACY
18	Pharm.D (Doctor of Pharmacy)
19	Pharm.D (Post-Baccalaureate)
20	B.Sc biotechnology
21	Bsc Microbiology
22	B.Sc PCM
23	B.Sc CBZ
24	B.Sc. PMS
25	B.Sc PMG



26	B.Sc. PMD
27	Bsc ZBG
28	M.Sc. Biotechnology
29	M.Sc. Microbiology
30	M.Sc. Botany
31	M.Sc. Zoology
32	M.Sc. Geology
33	M.Sc. Physics
34	M.Sc. Mathematics
35	M.Sc. Chemistry
36	M.Sc. Environmental Science
37	M.Sc. (Pharamceutical Chemistry)
38	B.Sc.(Hons.) Agriculture
39	M.Sc.(Ag.) Agronomy
40	M.Sc.(Ag.) Horticulture
41	M.Sc.(Ag.) Soil Science
42	M.Sc.(Ag.) Seed Science and Technology
43	M.Sc.(Ag.) Entomology
44	M.Sc.(Ag.) Plant Pathology
45	MSC Genetics and Plant Breeding
46	Bachlor Of Arts
47	B.A Honors Journalism & Mass Com
48	M.A History
49	M.A Geography
50	M.A Political Science
51	M.A Mass Com
52	M.A Statistics
53	M.A Economics
54	M.A Music Vocal
55	M.A English
56	M.A Home Science
57	M.A Garhwali Language & Culture
58	M.A Hindi
59	MSc Statistics
60	M.A Drawing & Painting
61	B.Sc. Nutrition & Dietetics
62	M.A Music Tabla
63	MSW
64	M.A Psychology
65	B.Sc. Yogic Science
66	M.Sc. in Yogic Science
67	M.A in Human Consciousness and Yogic Science



68	M.Sc. in Yogic science & Alternative Therapies
69	M.Sc. in Yogic science & Naturopathy
70	PG Diploma in (Early Childhood care and Education)
71	PG DIPLOMA IN (GUIDANCE AND COUNSELLING)
72	BMLT
73	BMRIT
74	BPT
75	B.Sc Medical Microbiology
76	B.Sc Optometry
77	B.SC OTT
78	M.Sc MLT
79	MPT (Ortho)
80	MPT (Neuro)
81	MPT (Sports)
82	MPT (Cardio)
83	MPT (Paedia)
84	MPT (Obs. & Gynae)
85	M.Sc. Nursing
86	B.Sc. Nursing
87	Post Basic B.Sc. Nursing
88	GNM
89	ANM
90	MBBS
91	MD Anatomy
92	MD Physiology
93	MD Pharmacology
94	MD Microbiology
95	MD Biochemistry
96	MD Community Medicine
97	MD Pathology
98	MD Anaesthesia
99	MS Otorhinolaryngology
100	MD Psychiatry
101	MD Respiratory Medicine
102	MS General Surgery
103	MS Ophthalmology
104	MD DVL
105	MD General Medicine
106	MD Radiodiagnosis
107	MD Paediatrics
108	MS Orthopaedics
109	MS Obstetrics & Gynaecology



110	MD Emergency Medicine
111	MD Radiation Oncology
112	DM Cardiology
113	DM Medical Gastroenterology
114	M.Ch. Plastic & Reconstructive Surgery
115	M.Ch. Urology
116	M.Ch. Neurosurgery
117	DM Neurology
118	M.Ch. Surgical Oncology
119	DM Nephrology
120	DM CRITICAL CARE MEDICINE
121	M.Sc. Anatomy
122	M.Sc. Physiology
123	M.Sc. Biochemistry
124	M.Sc. Microbiology
125	Doctor of Philosophy (Ph.D. All disciplines)



Audit Objectives

The broad aims/ benefits of the eco-auditing system would be –

- Environmental education through systematic environmental management approach.
- Improving environmental standards.
- Benchmarking for environmental protection initiatives.
- Reduction in resource use.
- Financial savings through a reduction in resource use.
- Curriculum enrichment through practical experience.
- Development of ownership, personal and social responsibility for the college campus and its environment.
- Enhancement of university profile.
- Developing an environmental ethic and value systems in young people.



Executive Summary

An environmental audit is a snapshot in time, in which one assesses campus performance in complying with applicable environmental laws and regulations. Though a helpful benchmark, the audit almost immediately becomes outdated unless there is some mechanism in place to continue the effort of monitoring environmental compliance.

This is second environmental audit of campus for NACC affiliation; QS Program and doing their bid towards environmental protection and environmental awareness at local and global front. Audit criterion is environmental cognizance, waste minimization and management, biodiversity conservation, water conservation, energy conservation and environmental legislative compliance by the campus. A questionnaire is used during audit. This audit report contains observations and recommendations for improvement of environmental consciousness.



Environmental Audit

The areas of eco/environmental/green auditing to be followed/practiced by participating institutions:

- I. Waste Minimization and Recycling
- II. Greening
- III. Energy Conservation
- IV. Water Conservation
- V. Clean Air
- VI. Animal Welfare
- VII. Environmental Legislative
- VIII. General Practices

Is any Environmental Audit conducted earlier?

No

What is the total permanent population of the Institute?

	Male	Female	Total
Students	3853	4342	8195
Teachers	233	256	489
Non-Teaching Staff	2756	3260	6016
Sub Total	6842	7858	14700
Approximate Number of Visitors (Per day)			100
What is the total number of working days of your campus in a year?			283

Where is the campus located?

Patel Nagar, Dehradun



Which of the following are available in your campus?

1	Garden area	Yes
2	Playground	Yes
3	Kitchen	Yes
4	Toilets	Yes
5	Garbage Or Waste Store Yard	-
6	Laboratory	Yes
7	Canteen	Yes
8	Hostel Facility (Numbers)	Yes
9	Guest House	Yes

Which of the following are found near your campus?

1	Municipal dump yard	No
2	Garbage heap	No
3	Public convenience	Yes
4	Sewer line	Yes
5	Stagnant water	No
6	Open drainage	Yes
7	Industry – (Mention the type)	Yes-food bakery
8	Bus / Railway station	Yes
9	Market / Shopping complex / Public halls	Yes



I - WASTE MINIMIZATION AND RECYCLING

1.	Does your institute generate any waste? If so, what are they?	Yes Wet waste Horticulture waste Dry waste e- waste Bio/Food waste
2.	What is the approximate amount of waste generated per day? (in Kilograms/month) (approx.)	51166 kg/month (including horticulture waste)
3.	How is the waste generated in the institute managed? By 1 Composting 2 Recycling 3 Reusing 4 Others(specify)	• Vermi Composting
4.	Do you use recycled paper in institute?	Yes (for making files)
5.	Do you use reused paper in institute?	Yes
6.	How would you spread the message of recycling to others in the community? Have you taken any initiatives? If yes, please specify.	The University has taken the initiative of using on both sides of the paper organizing awareness sessions on waste segregation, encouraging students/peers to reduce plastic use,
7.	Can you achieve zero garbage in your institute? If yes, how?	Yes through municipal vehicle and vermi composting



II – GREENING THE CAMPUS

1.	Is there a garden in your institute?	Yes
2.	Do students spend time in the garden?	Yes
3.	Total number of Plants in Campus	-
4.	Provide some names of trees and plants in the campus.	Acacia nilotica (Linn.) Delile. Aegle marmelos ,Albizia julibrissin, Araucaria columnaris (J.R. Forst.) Hook., Artocarpus heterophyllus, Rose, Pine, Hibiscus, Palm etc
5.	Is the university campus have any Horticulture Department?	YES
	If yes, number of Staff working in Horticulture Department?	3 Faculty 2 staff
6.	Number of Tree Plantation Drives organized by College per annum.(If Any)	10
7.	Number of Trees Planted in Last year.	3516
	Survival Rate	99%
8.	Plant Distribution Program for Students and Community	Yes
9.	Plant Ownership Program	Yes

III – ENERGY

1.	List down ways that you use energy in your institute. (Electricity, LPG, firewood, others). Using this list, try to think of ways that you could use less energy every day.	Electricity LPG
2.	Are there any energy saving methods, equipments, techniques employed in your institute? If yes, please specify. If no, suggest some	Biogas Solar
3.	Give an estimate of number of lights installed in your campus along with numbers?	-



4.	Are any alternative energy sources employed/ installed in your institute? (photovoltaic cells for solar energy, windmill, energy efficient stoves, etc.,) Specify.	SOLAR ENERGY
5.	Do you run "switch off" drills at institute?	YES
6.	Are your computers and other equipment's put-on power-saving mode?	YES
7.	Does your machinery (TV, AC, Computer, weighing balance, printers, etc.) run on standby modes most of the time? If yes, how many hours?	Yes, half an hour

IV - WATER CONSERVATION

1.	List all the uses of water in your institute?	Main uses are- Drinking Gardening Soil moisturing Flushing/ In washrooms
2.	How does your institute store water? (mention tanks with capacity) Are there any water saving techniques followed in your institute?	Water is stored in Various water.
3.	If there is water wastage, specify why and how can the wastage be prevented/ stopped?	No
4.	Locate the point of entry of water and point of exit of waste water in your institute. Entry- Exit-	Entry- Through submersible and jet pumps located at different blocks. Exit- Underground exit drainage system near Main ground which mixes in Sewer line.
5.	Write down few ways that could reduce the amount of water used in your institute?	1. All concreted passage roads are connected with grounds through a pipe hole which harvest road water in grounds.



		2. Pipes are regularly checked for any leak/ break. 3. Water saving taps.
6.	Record water use from the institute water meter for six months (record at the same time of each day). At the end of the period, compile a table to show how many litres of water have been used.	Water meters are not installed because there is no connection from municipality.
7.	Does your institute harvest rain water? (Please explain the method and uses)	Yes
8.	Is there any water recycling System.	Yes

V - CLEAN AIR

1.	Are the Rooms in Campus are Well Ventilated?	Yes
2.	Number of windows per room (aggregate value to be provided)	3 Average
3.	Students suffer from respiratory ailments? (If Any)	No

VI – ANIMAL WELFARE

1.	List the animals (wild and domestic) found on the campus (dogs, cats, squirrels, birds, insects, etc.) (if any)	Birds, Fish, Duck, Squirrels, insects, etc.
2.	How many dogs in your area have undergone Animal Birth Control - Anti Rabies (ABC - AR)?	Nil
3.	Does your institute have a Biodiversity Programme or a KARUNA CLUB?	Students plan and take due attention in such activities.



VII - ENVIRONMENTAL LEGISLATIVE COMPLIANCE

1.	Are you aware of any environmental Laws pertaining to different aspects of environmental management?	Yes, Environment (Protection) Act, 1986 Water (Prevention and Control of Pollution) Act, 1974 Air (Prevention and Control of Pollution) Act, 1981 Forest (Conservation) Act, 1980 Wildlife Protection Act, 1972 Solid Waste Management Rules, 2016
2.	Does your institute have any rules to protect the environment? List possible rules you could include.	Yes, • Mandatory segregation of waste (wet, dry, and hazardous) • Ban on single-use plastics within campus • Installation of composting units for biodegradable waste • Proper disposal of e-waste through authorized agencies • Rainwater harvesting to be implemented in all buildings • No wastage of water; reporting of leakages is mandatory • Use of recycled water for gardening and cleaning • Switching off lights, fans, and equipment when not in use • Use of LED bulbs and energy-efficient appliances • Promotion of renewable energy (e.g., solar panels) • Periodic energy audits • Participation in environmental awareness programs is encouraged • Celebration of World



		Environment Day and similar events
3.	Does Environmental Ambient Air Quality Monitoring conducted by the Institute?	No
4.	Does Environmental Water and Wastewater Quality monitoring conducted by the Institute?	NIL
5.	Does stack monitoring of DG sets conducted by the Institute?	Yes
6.	Is any warning notice, letter issued by state government bodies?	-
7.	Does any Hazardous waste generated by the Institute? If yes explain its category and disposal method.	No
8.	Does any Bio medical waste generated by the Institute? If yes explain its category and disposal method.	NA

VIII - GENERAL

1.	Are you aware of any environmental Laws pertaining to different aspects of environmental management?	Yes, Plastic Waste Management rules, 2016 E-Waste Management Rules 2016
2.	Does your institute have any rules to protect the environment? List possible rules you could include.	Yes, Ban on single-use plastics within campus, Rainwater harvesting systems in buildings, Use of LED lighting and energy-efficient appliances Tree plantation drives, Inclusion of environmental education in curriculum, Celebrating days like World Environment Day



3.	What is the housekeeping schedule of garden and common areas in your institute?	• Sweeping of pathways and removal of fallen leaves • Watering of plants (morning/evening depending on season) • Cleaning of benches, dustbins, and garden fixtures • Removal of litter and plastic waste
4.	Are students and faculties aware of environmental cleanliness ways? If Yes Explain	Yes, Environmental topics are included in courses such as Environmental Studies (often mandatory in Indian universities as per University Grants Commission guidelines). • Observance of days like World Environment Day. • Poster-making, slogan-writing, and cleanliness drives
5.	Does Important Days Like World Environment Day, Earth Day, and Ozone Day etc. celebrated in your Campus?	Yes
6.	Does Institute participated in National and Local Environmental Protection Movement?	Yes
7.	Does Institute has any Recognition/certification for environment friendliness?	Yes
8.	Does Institute using renewable energy?	Yes
9.	Does Institution conducts a green/environmental audit of its campus?	Yes
10.	Has the institution been audited / accredited by any other agency such as NABL, NABET, TQPM, NAAC etc.?	Yes, NABL, NAAC



Recommendations

- Strengthen waste segregation by expanding the use of recycled paper.
- Increase tree plantation beyond the existing annual drives.
- Expand solar energy usage to reduce dependency on conventional power.
- Install water-saving fixtures to minimize water wastage.
- Encourage more eco-friendly transport options like cycling and carpooling.
- Reduce paper usage further by promoting digital documentation.
- Conduct periodic air quality assessments to monitor environmental health.
- Organize more structured sustainability awareness programs.
- Seek environmental certifications for enhanced credibility.



Photographic Evidences



College Main Gates







Campus Green Area



Conclusion

This Environmental Audit of Shri Guru Ram Rai University, Dehradun assessed key environmental aspects including waste management, green campus initiatives, energy conservation, water conservation, environmental compliance, biodiversity preservation, and awareness programs. The audit observations indicate that the university has established a strong foundation for sustainable campus management through effective waste segregation practices, vermi-composting, extensive tree plantation activities, rainwater harvesting, water recycling systems, and the adoption of renewable energy sources such as solar power. The institution has also demonstrated its commitment towards environmental stewardship through regular environmental awareness programs, participation in environmental protection initiatives, and the promotion of eco-friendly practices among students and staff.

The campus environment was found to be clean, well-maintained, and enriched with significant green cover, supporting biodiversity and providing a healthy learning atmosphere. The presence of horticulture activities, high tree survival rates, water conservation measures, and energy-saving initiatives reflects the university's proactive approach toward sustainability. While the overall environmental performance of the institution is commendable, further improvements can be achieved through expanded solar energy utilization, periodic environmental monitoring, enhanced digitalization to reduce paper consumption, and strengthening sustainability awareness initiatives. Based on the observations made during the audit, the university is progressing positively towards its environmental objectives and demonstrates a strong commitment to creating a sustainable, environmentally responsible, and eco-friendly campus for future generations.



References

- The Environment [Protection] Act – 1986 (Amended 1991) & Rules-1986 (Amended 2010)
- The Petroleum Act: 1934 – The Petroleum Rules: 2002
- The Central Motor Vehicle Act: 1988 (Amended 2011) and The Central Motor Vehicle
- Rules:1989 (Amended in 2005)
- Energy Conservation Act 2010.
- The Water [Prevention & Control of Pollution] Act – 1974 (Amended 1988) & the Water (Prevention & Control of Pollution) Rules – 1975
- The Water [Prevention & Control of Pollution] Cess Act-1977 (Amended 2003) and Rules- 1978
- The Air [Prevention & Control of Pollution] Act – 1981 (Amended 1987) The Air (Prevention & Control of Pollution) Rules – 1982
- The Gas Cylinders Rules – 2016 (Replaces the Gas Cylinder Rules – 1981
- E-waste management rules 2016
- Electrical Act 2003 (Amended 2001) / Rules 1956 (Amended 2006)
- The Hazardous Waste (Management and Handling and Trans-boundary Movement) Rules, 2008 (Amended 2016)
- The Noise Pollution Regulation & Control rules, 2000 (Amended 2010)
- The Batteries (Management and Handling) rules, 2001 (Amended 2010)
- Relevant Indian Standard Code practices

End of Report



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