ENVIRONMENT AUDIT REPORT
FOR
SANSKRITI COLLEGE

Elion Technologies & Consulting Private Limited

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Acknowledgement

Elion Technologies and Consulting Pvt Ltd thanks the management of Sanskriti College, Jaipur 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	Sanskriti College
College Address	Sanskriti Marg, Shipra Path, Mansarovar, Jaipur 302020
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	20th September 2024
Year of Audit	2024 – 2025
Audit Participants from Site	Sanskriti College
Total College Area	2000 Sq.m
Total Green Area	90 Percent

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

Sanskriti College has a proud legacy of nine years, consistently imparting excellence in education and empowering students for a successful future.

Sanskriti College is a distinguished institution that provides value-based education and fosters a sustainable educational environment. With a focus on global education, the college offers high-quality and affordable education that enhances the knowledge, skills, values, and confidence of its students. It instills a spirit of leadership, integrity, and social justice in its students while promoting their participation in extracurricular and sports activities. The commitment of the faculty and students to diversity, social justice, and democratic citizenship is unparalleled. Sanskriti College nurtures Indian culture and traditional values while emphasizing a modern and scientific outlook. Its goal is to impart rational thinking and deep-rooted Indian 'Sanskar' to its students, enabling them to make a mark of difference in the world.

List of courses offered by the institute:

- B.A. (Hist., English Lit., Socio., Pub.Ad., Pol.Sc., Psy., Eco., Geog.)
- B.Com (Abst, Badm, Eafm)
- B.Sc. (Chem., Zool., Bot., Phy., Math's, Geog., Econ., Stat., Psy.)
- B.Sc. (Hons. Bio Grp Chem , Zool., Bot.)
- B.Sc. (Hons. Maths Grp Chem , Phy., Maths)
- BBA
- BCA
- BVA

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.

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?
Yes (2021).

What is the total permanent population of the Campus?

	Male	Female	Total
Students	210	110	320
Teachers	11	12	23
Non-Teaching Staff	10	8	18
Sub Total	231	130	361
Approximate Number of Visitors (Per day)			15
What is the total number of working days of your campus in a year?			265

Where is the campus located?
Mansarovar, Jaipur, Rajasthan

Which of the following are available in your campus?

1	Garden area	No
2	Playground	Yes
3	Kitchen	Yes
4	Toilets	Yes
5	Garbage Or Waste Store Yard	No
6	Laboratory	Yes
7	Canteen	Yes
8	Hostel Facility (Numbers)	Yes
9	Guest House	No

Which of the following are found near your campus?

1	Municipal dump yard	Yes
2	Garbage heap	No
3	Public convenience	Yes
4	Sewer line	Yes
5	Stagnant water	No
6	Open drainage	No
7	Industry – (Mention the type)	No
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, Daily garbage
2.	What is the approximate amount of waste generated per day? (in Kilograms/month) (approx.)	100 Kg/month
3.	How is the waste generated in the institute managed? By 1 Composting 2 Recycling 3 Reusing 4 Others(specify)	Reusing (one sided pages reusing)
4.	Do you use recycled paper in institute?	Yes
5.	Do you use reused paper in institute?	Yes, in print outs of daily notices.
6.	How would you spread the message of recycling to others in the community? Have you taken any initiatives? If yes, please specify.	Yes, by Seminars and posters.
7.	Can you achieve zero garbage in your institute? If yes, how?	NA

II – GREENING THE CAMPUS

1.	Is there a garden in your institute?	No
2.	Do students spend time in the garden?	No
3.	Total number of Plants in Campus	200

4.	Provide some names of trees and plants in the campus.	Ashok, Cassia, Palm tree, Euphorbia, Livistona, Saribus, Areca Palm,Yucca plant, Spider plant, Araucaria, Graptophyllum, Tulsi, Mangifera Indica, Pothos, Jasmine, Cassava, Ficus, Thuja, Pongamia, Dumbcane etc.
5.	Is the university campus have any Horticulture Department?	No
	If yes, number of Staff working in Horticulture Department?	No
6.	Number of Tree Plantation Drives organized by School per annum.(If Any)	2
7.	Number of Trees Planted in Last year.	300
	Survival Rate	50%
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
2.	Are there any energy saving methods, equipments, techniques employed in your institute? If yes, please specify. If no, suggest some	Solar Panel, LED
3.	Give an estimate of number of lights installed in your campus along with numbers?	Approx. 200
4.	Are any alternative energy sources employed/ installed in your institute? (photovoltaic cells for solar energy, windmill, energy efficient stoves, etc.,) Specify.	Photovoltaic cells for 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?	No

IV - WATER CONSERVATION

1.	List all the uses of water in your institute?	Drinking, Watering Plants, Washroom, Cleaning
2.	How does your institute store water? (mention tanks with capacity) Are there any water saving techniques followed in your institute?	Three tanks (1100 L capacity each)
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- Borewell Exit- Sewer Line
5.	Write down few ways that could reduce the amount of water used in your institute?	Fix leaks, install water efficient fixtures, aware students
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 havebeen used.	NA
7.	Does your institute harvest rain water? (Please explain the method and uses)	No
8.	Is there any water recycling System.	No

V - CLEAN AIR

1.	Are the Rooms in Campus are Well Ventilated?	Yes				
2.	Number of windows per room (aggregate value to be provided)	2				

3.	What is the ownership of the vehicles used by your school? (Please Tick ☐only one)	Yes	Operator-owned vehicles
		No	School-owned vehicles
		No	A combination of campus-owned and operator-owned vehicles

4.	Provide details of school-owned motorized vehicles?	Buses	Cars	Vans	Other	Total
	No. of vehicles	NA	-	-	-	-
	No. of vehicles more than five years old	-	-	-	-	-
	No. of Air conditioned vehicles	-	-	-	-	-
	PUC done	-	-	-	-	-

5.	Specify the type of fuel used by your school's vehicles:	Buses	Cars	Vans	Other
	Diesel	-	-	-	-
	Petrol	-	-	-	-
	CNG	-	-	-	-
	LPG	-	-	-	-
	Electric	-	-	-	-

6.	Air Quality Monitoring Program (If Any)	NA
7.	Students suffer from respiratory ailments? (If Any)	No
8.	Details of Diesel/Gas Generator. (Rating & Make)	Diesel Generator of Kirloskar make. 62.5 KVA 3-PH Power Panel

VI – ANIMAL WELFARE

1.	List the animals (wild and domestic) found on the campus (dogs, cats, squirrels, birds, insects, etc.) (if any)	Pigeons
2.	How many dogs in your area have undergone Animal Birth Control - Anti Rabies (ABC - AR)?	NA
3.	Does your institute have a Biodiversity Programme or a Karuna Club?	Yes

VII - ENVIRONMENTAL LEGISLATIVE COMPLIANCE

1.	Are you aware of any environmental Laws pertaining to different aspects of environmental management?	Yes
2.	Does your institute have any rules to protect the environment? List possible rules you could include.	Yes
3.	Does Environmental Ambient Air Quality Monitoring conducted by the Institute?	Yes
4.	Does Environmental Water and Wastewater Quality monitoring conducted by the Institute?	Yes
5.	Does stack monitoring of DG sets conducted by the Institute?	Yes
6.	Is any warning notice, letter issued by state government bodies?	No
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.	No

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VIII – GENERAL

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1.	Are you aware of any environmental Laws pertaining to different aspects of environmental management?	Yes
2.	Does your institute have any rules to protect the environment? List possible rules you could include.	Yes
3.	What is the housekeeping schedule of garden and common areas in your institute?	Daily 8A.M. – 4P.M.
4.	Are students and faculties aware of environmental cleanliness ways? If Yes Explain	Yes
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?	No
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.?	No

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Recommendations

- Environment Policy to be adopted by the Campus.
- Equipments when not in use shall be switched off and should not run in standby modes or ideal.
- Indoor Air quality monitoring shall be carried out.
- Awareness programmes shall be carried out for promoting environmental awareness in nearby areas.

Photographic Evidences
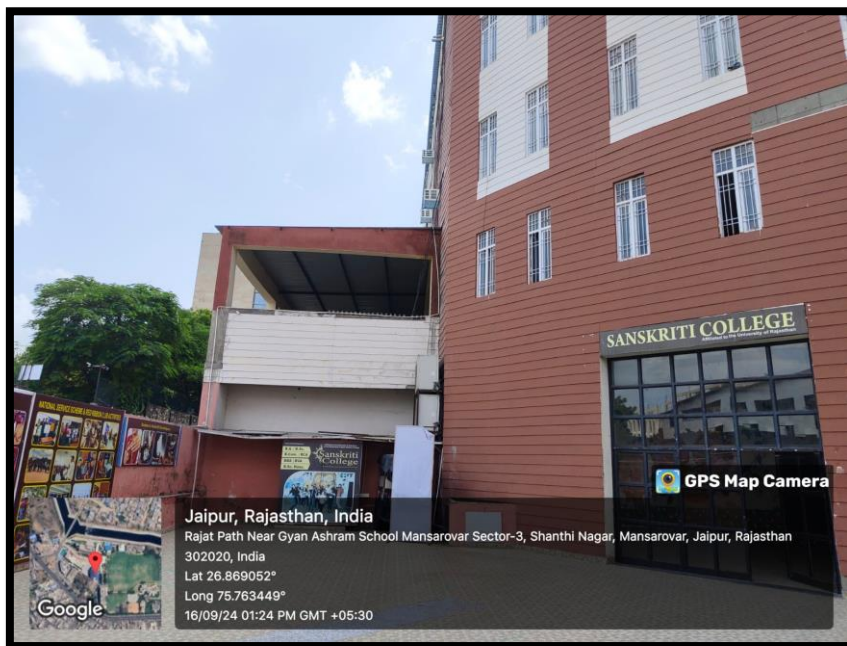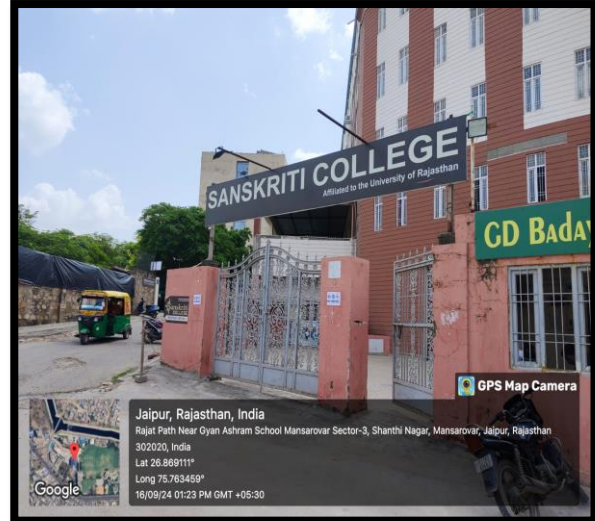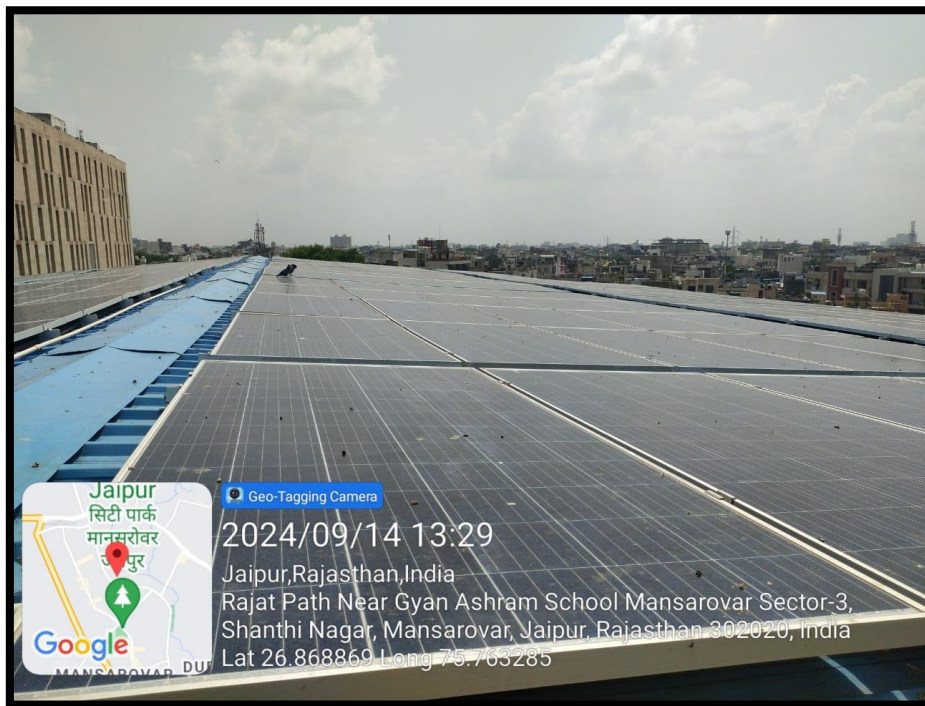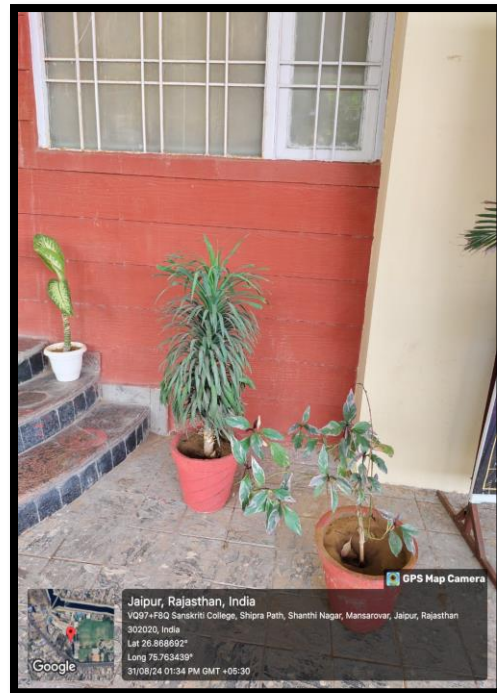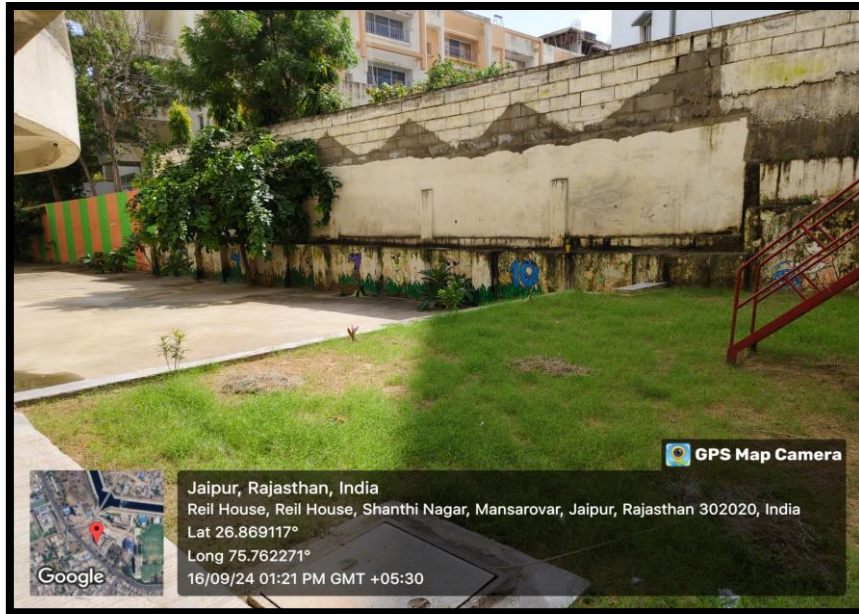
Conclusion

This audit involved extensive consultation with all the campus team, interactions with key personnel on wide range of issues related to Environmental aspects. Overall, a large are of campus is for landscaping. The audit has identified several observations for making the campus premise more environmentally friendly. The recommendations are also mentioned with observations for university campus team to initiate actions.

The audit team opines that the overall site is maintained well from environmental perspective. There are no major observations but recommendation is made in this report which would further strengthen the goal to achieve 100% environment friendly campus.

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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DISCLAIMER

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