

Environmental Audit's Management: A Review in Vignan University

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Abstract - Effective monitoring of pollution cannot be achieved only through technological solutions, but also must be addressed in basis of environmental management system, integrated to general management. Given the legal requirements on environmental protection and preoccupations of population and the economic agents regarding environmental protection and pollution reduction in the context of sustainable development can be seen an orientation concerns of companies by introduction of Environmental Management Audit. This creates a systematic structure for the integration of environmental issues into all activities matters of a company. To introduce an Environmental Management Audit is not only an compliance with Environmental laws and minimize the financial risk but also continuous improvement of environmental performance, thus ensuring a good image and a series of competitive market advantages.

Key Words: Waste Generation, Environmental Management System (EMS), Management Control System, Environmental Audit, Environmental Liability.

1. Introduction

The environment audit aims to analyze environmental practices with in & outside the university campus which will have an impact on the eco-friendly atmosphere. Environmental audit can be defined as systematic Identification, Quantification, Recording, Reporting and analysis of components of university environment. It was initiated with the motive of inspecting the effort within the institutions whose exercises can cause threat to the health of inhabitants and the environment. Through the environment audit a direction as how to improve the structure of environment and there are include several factors that have determined the growth of carried out the Environment Audit.

1.1 Need for Environmental Auditing

It is the process of identifying and determining whether institutions practices are eco-friendly and sustainable. Traditionally we are good and efficient users of natural resources. But over the period of time excess use of resources like water become habitual for everyone especially in common areas. Now it is necessary to check whether we are handling resources carefully? Environment Audit regulates all such practices and gives an efficient way of natural resource utilization. In the climate change and resource depletion it is necessary to verify the processes and convert it into green and clean one. Environmental audit provides an approach for it. It also increases overall consciousness among the people working in institution towards an environment.

1.2 Benefits of Environmental Audit

- It helps to protect the environment in and around the campus.
- It recognize the cost saving methods through waste minimization and energy conservation.

- Empower the organization to frame a better environmental performance.
- It portrays good image of institution through its clean and green campus.
- Finally it will help to build positive impression for through green initiatives the upcoming NAAC Visit.

1.3 Scope & objective

- Improving environment standards.
- Benchmarking for environmental protection initiatives.
- Enhancement of college profile.
- Setup goal, vision and mission for environmental practices in campus.
- To identify and analyze significant environment issues.
- Establish and implement environment management in various departments.
- Continuous assessment for betterment in performance in environment.

2. Methodology for Environmental Audit



3. Approaches An Environmental Audit

3.1 Pre Audit Activities

- Full management committee
- Setting overall goals and objectives
- Selecting a team to ensure objectivity and professional competence.

3.2 On site Activities

- Well defined and systematic using protocols or checklists.
- Review of documents and records.
- Review of policies.
- Interviews.
- Site inspection.

3.3 Post Audit Activities

- Evaluation of findings.
- Reporting with recommendations.
- Preparation of an action plan and follow up.

4. Advantages

- It improves efficiency of EMS.
- Compliance with environmental laws and standards.
- Risk mitigation.
- Meeting stakeholders exception.
- Reduction in operational inefficiencies.
- Encourages continual improvement.
- Helps management in decision making.

5. Overview of college

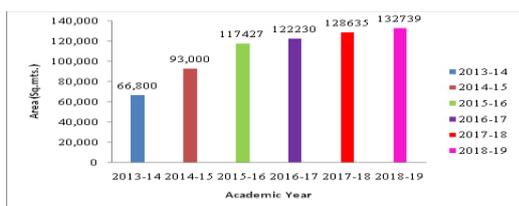
5.1 Stimulating Ambience

- It is an established fact that human behavior is influenced by the surrounding. The serene atmosphere of a temple has an elevating effect on all of us. Guided by this fact, meticulous care has been taken in the design of the VFSTR campus.
- The beautifully landscaped campus has green tree lined avenues, lush green lawns, spacious classrooms, open corridors and large playgrounds. All this created a pleasant and stress free atmosphere for student to learn and develop. It is spread over 42.86 acres of land.



5.2 Ideal Infrastructure At VFSTR

On date VFSTR's surplus infrastructure features serene and eco-friendly ambience, ventilation to allow Good with plenty of natural breeze for all classrooms and laboratories, ergonomically designed furniture for comfort to sit for long hours, large circulation area to facilitate informal discussions among students and faculty, state of art Administrative Block and facilities like solar powered cars for easy mobility on the campus for differently abled students, wheel chairs, specially designed furniture, ramps and lifts.



5.3 Latest Improvements

All class rooms are ICT enabled while 20% of class rooms are upgraded into smart class rooms and air conditioned along with seminar halls.

The other improvements include Wi-Fi enabled campus and upgraded libraries with state of art facilities.

5.4 Built-up Area of the institute

S.No.	Category	Area Available (Sq. m)
1	Instructional Area	39,005
2	Administration Area	7,793
3	Amenities Area	24,674
3	Circulation Area	17,280
Area		88,752

5.5 Other Areas

Category	Area (Sq.mt)
Men's Hostel	20,200
Women's Hostel	14,950
Amphi Theaters	2,750
Staff Quarters	2,340
Guest House	3,372
Health Centre	200
Gym	175
Area	43,987

5.6 Progress Chart

Year wise	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
Instructional area	24,500	28,500	32,607	34,353	36,100	39,005
Administrative area	1800	2500	7,528	7,628	8,328	7,793
Amenities area	15000	18500	21,886	23,280	24,674	24,674
Circulation area	6000	11500	14,153	15,716	17,280	17,280
Others	19500	32000	41,253	41,253	42,253	43,987
Total	66,800	93,000	1,17,427	1,22,230	1,28,635	1,32,739

6. Conclusion

- This audit involved extensive consultation with all the campus team, interactions with key personnel on wide range of issues related to environmental aspects.
- The college of Vignan University has environmental committee for sustainable use of resources.
- Overall 75% of the campus is for landscaping.
- The audit has identified several observations for making the campus premise more environmental friendly.
- The recommend are also mentioned with observations for campus team to initiate actions.
- The audit team optines that the overall site is maintained well from environmental perspective.

7. References

- ISO 14000 Environmental Management.
- ISO 14001 Environmental Management System.
- Environmental Auditor-provision of statements and reports for Environmental Audits and Preliminary risk screen assessment (publication 2022).
- Guidance for the cleanup and management of contaminated ground water (publication 2021)
- Environmental Audit statement (From F1032)
- Proposed scope of Environmental Audit (From F1033)
- Further guidelines for the environmental audit system under the Environment protection Act 2017 are to be released towards the end of 2021
- The environment (protection)Act-1986 (Amended 1991) & rules-1986 (Amended 2010)