

**Sixth Series of Five-days Lead Auditor Course on “Green, Environment, Energy and Waste Management Audits in line with National Building Code Part 11” to Educational Institutions, Industries and Public sectors
(Open for all the Students, Research Scholars, Staff Members and Industrialists)**

Organized by

NATURE SCIENCE FOUNDATION

(A Unique Research and Development Centre for Society Improvement)

[National Accreditation Board for Certification Body (NABCB) accredited Inspection Body (ISO/IEC 17020:2012) under registration number IB 121, Quality Council of India, Ministry of Commerce and Industries, Government of India]
Coimbatore – 641 004, Tamil Nadu, India.

From 18th to 22nd March 2024

About Nature Science Foundation (NSF)

NSF is functioning energetically to conduct different awareness programmes and implement various schemes to Schools, Colleges and Universities across India towards the noble cause of environmental protection and nature conservation. The main motto of the NSF is “Save the Nature to save the Future” and “Go Green to save the Planet”. NSF is a Non-Governmental, ISO 9001:2015, 14001:2015 & 50001:2018 Certified Organization and ISO/IEC 17020:2012 Accredited by NABCB, QCI, Ministry of Commerce and Industries, Government of India.

About Lead Auditor Course

Environment Management System is the quantitative and qualitative data to track air, water and waste, and to gain actionable insights to improve the operational performance. It is used to maintain the clean and green environment that leads to provide environmentally friendly campus to the stakeholders. It provides a solution at 360° view of a surrounding campus and makes it easy for Owner / Managers/ Environmentalists to collaborate, measure, control, and reduce environmental impacts. Finally it leads to enhancing the quality of life to human beings, animals and plants. Green Campus Initiatives is needed at present across the world due to change in environmental conditions, global warming and increasing in human population.



Types of Audit courses

- 1. Environmental audit** is a process of extracting information about an Institution and Organization that provides a realistic assessment of how the campus surroundings affect the environment and make sure that their activities should not harm the environment. To ensure that the environmental is neat and clean, environmental pollution impact, carbon dioxide emission level, solid state management, disposal of sewage and waste materials and plastic use in the campus will be assessed.
- 2. Green campus audit** is a type of assessment to ensure that the Institution and Organization campus is greenish in terms of planting a large number of trees and lawns in the campus. To ensure that the list of plants and animals / birds available in the campus, biodiversity conservation, water irrigation system, recycling of water, rain harvesting system, site preservation, soil erosion control and landscape management will be evaluated.



3. **Energy audit** ensures that the campus of Institutions and Organizations is involving energy savings and consumption towards the roadmap of the State development economy by assessing the electric current usage. To ensure that the air ventilation and day-lighting facilities, sodium vapor lights and LED bulbs, power generators, UPS, solar systems and renewable energy utilization, air-conditioned and non-air-conditioned buildings will be assessed.



4. **Waste Management audit** covers water, soil, solid, liquid, e-wastes, plastics and biomedical wastes in which the physico-chemical properties of wastes are being analyzed. Water conservation strategies, factors affecting per capita demand of water consumption, assessment, handling, storage, transportation, origin of wastes and disposal methods of wastes are being studied in brief. Recycling of solid wastes and wastewaters and then used for irrigation purposes are also investigated.



National Building Code Part 11 (Approach to Sustainability)

The National Building Code of India (NBC), a comprehensive building code, is a national instrument providing guidelines for regulating the building construction activities across the country. It serves as a model code for the adoption of all agencies involved in building construction works. It includes Public Works Department, other Government construction departments, local bodies or private construction agencies. Scope 11 covers the parameter required to be considered for planning, design, construction, operation and maintenance of buildings and those relating to land development from sustainable point of view.



Learning Objectives

1. Understand the principles and importance of various audits in the context of the organization and risk assessment to Educational Institutions and Industries.
2. Development of basic understanding on Environment Management System and overview of International Standards on ISO 9001:2015, 14001:2015, 45001:2018, 50001:2018, 22000:2018, 17020:2012 and National Building Code (Part 11 – Approach to Sustainability).
3. Study the concept on how to conduct ‘Green campus audit’, ‘Environmental audit’, ‘Energy audit’, ‘Hygiene audit’, ‘Soil & Water audit’, ‘Waste / Plastic / E-waste / Biomedical waste Management audits’ at Educational Institutions, Industries and Public sectors at 360° view?.
4. Provide the hands-on-trainings on Audits groundwork, checklist preparation, practical auditing and auditing techniques, instruments handling, Audit/Non-conformity report preparation and submission.
5. Analyze how to help the Educational Institutions and Industries to maintain the ecofriendly environment and personal hygiene to various stakeholders.



Training Course Methodology

- Interactive online sessions and demonstrations through Google platform.
- Workshops, case studies, assignment, tutorials and auditing exercises.
- Soft copy of all training course materials (PPT slides, Notes, etc.).
- Audit Manuals, checklists of audits and application forms of audits.
- Demonstrations of instruments used for the conduct of audits.



Who can attend?

- ✓ Faculty, Teachers, Research Scholars, Students, Staff and Academicians from Arts, Science, Engineering and Technology subject background.
- ✓ Industrialists, Social workers, Environmental Engineers, Agriculture Staff, Professionals wanting to gain a comprehensive knowledge of Environmental Management System and Academic audits.
- ✓ Owners, Managers, IQSC/ISO Coordinators responsible for implementing Environmental Management System and Academic & Administrative audits.
- ✓ NAAC Coordinators aiming to get marks in Criterion VII of Institutional values and Best practices.

Qualification

1. Any UG degree in B.E. / B.Tech./ B.Arch. & B.A. / B.Com / B.Sc./ BBA.
2. Any PG degree in M.E. / M.Tech. / M.Arch. & M.A. / M.Com / M.Sc./ MBA.
3. Any M.S. / Ph.D., Post-Doc. in Arts, Science, Engineering & Technology subject background.

Registration fee and Registration Process

- Rs.2000/- for Students and Research Scholars.
- Rs.5000/- for Staff and Faculty members including any Academic people (Dean, Directors, etc.).
- Rs.7500/- for Industrial persons, Social workers, Experts, Environmentalists and Auditors.
- Rs.10000/- for Owner, Managers and Professionals from Governmental Organizations.
- Registration fee may be paid through online on or before 16th March, 2024.
- Registration may be done through online (<https://forms.gle/QdsEq5NZvTo4ZbU9A>)

Account Details

Name of Account : Nature Science Foundation
Account No. : 37459341560
Account Type : Current Account
Name of Bank : State Bank of India
IFS Code : SBIN0005740
Bank Branch : Vadavalli Branch, Coimbatore, TN.

Google Pay / Phone Pay

Account Number : 95667 77255



Why to study Five-day Lead Auditor Course?

- Can act as a Lead Auditor in Environment Management System, Green, Energy and Waste Management Audits to Institutions and Industries.
- Apply the practice in NAAC accreditation process in Criterion VII of Institutional values and Best practices.
- Useful if Industry recognized Courses accredited by IRCA/QCI and Course contents developed by Subject matter experts.



Highlights:

- Availability of a Computer / Laptop with internet connection, speakers, webcam, headphone/microphone, etc.
- The proposed course will be conducted through online mode for a period of five days (Time: 5:00 pm to 8:00 pm).
- Certificate in hard copy will be given to Participants through speed post on successful completion of the course.
- Examination on Multiple Choice Questions will be conducted in online during end of the course.



Programme Schedule:

| Days | Date / Day | Sessions / Timings | Topics to be discussed |
|-------|---|---------------------------|--|
| Day 1 | 18 th March 2024 (Monday) | Session I (5:00-6:30 pm) | Introduction to Green campus audit |
| | | Session II (6:30-8:00 pm) | Green campus audit procedures and target areas of green auditing |
| Day 2 | 19 th March 2024 (Tuesday) | Session I (5:00-6:30 pm) | Environment audit procedures and target areas of environment auditing |
| | | Session II (6:30-8:00 pm) | Methods of wastes disposal and Recycling of wastes & wastewaters, Carbon footprint |
| Day 3 | 20 th March 2024 (Wednesday) | Session I (5:00-6:30 pm) | Energy Conservation Acts & Energy conservation building code |
| | | Session II (6:30-8:00 pm) | Energy auditing procedure & Steps involved in energy audit |
| Day 4 | 21 st March 2024 (Thursday) | Session I (5:00-6:30 pm) | Personal and environmental hygiene & audit procedures |
| | | Session II (6:30-8:00 pm) | E-Waste, Plastic Waste and Biomedical Waste Management Audits procedures |
| Day 5 | 22 nd March 2024 (Friday) | Session I (5:00-6:30 pm) | ISO /IEC 17020:2012, National Building Code (Part 11 – Approach to Sustainability) |
| | | Session II (6:30-8:00 pm) | Online Examination and Queries Session |

TOTAL NUMBER OF UNIVERSITIES, COLLEGES, INDUSTRIES, UNDERTAKEN AUDITS WITH NSF AS ON DATE

| S.No | No. of Universities / Colleges / Industries undertaken Audits | Audits |
|--------------------|---|------------|
| 1. | No. of Universities undertaken Audits at National level | 16 |
| 2. | No. of Colleges undertaken Audits at National level | 145 |
| 3. | No. of Industries undertaken Audits at National level | 6 |
| 4. | No. of Universities undertaken Audits at International level | 4 |
| Grant Total | | 171 |

Please contact for Registration

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