

# Annual Report 2024



Regd. No. 114/2017

## **NATURE SCIENCE FOUNDATION**

[A Unique Research and Development Centre for Society Improvement]  
An ISO/IEC 17020:2012 Accredited Type 'A' Inspection Body [Reg. No. IB 121]  
by NABCB, QCI, Ministry of Commerce and Industry, Government of India  
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## ***ACKNOWLEDGEMENT***

We would like to express our heartfelt gratitude to all individuals and organizations who have contributed to the success and growth of the Nature Science Foundation. First and foremost, we extend our thanks to our dedicated team, whose tireless efforts and commitment have been the driving force behind our initiatives.

We are also deeply acknowledge the invaluable contributions of the advisory board, volunteers, and stakeholders. Your guidance, expertise, and insights have been instrumental in shaping our strategies, enhancing the effectiveness of our programs, and ensuring the continued growth of the organization. We truly value the time, knowledge, and energy you have devoted to helping us reach new heights.

In addition, we would like to express our deep appreciation for our generous collaborators. Your support has been essential to the successful implementation of our projects, and your trust and investment in our mission have had a profound impact on the communities we serve. Together, we have worked to make meaningful progress in advancing the cause of science, environmental sustainability, and nature conservation.

Finally, we would like to extend our gratitude to the broader community. Your participation, enthusiasm, and commitment to creating a greener and more sustainable world inspire us every day. The collective impact of our combined efforts continues to shape a better future for the planet and its inhabitants.

As we look to the future, we are excited to continue working together with all of you to preserve the beauty of our natural environment, advance scientific knowledge, and foster sustainable practices that benefit generations to come. Thank you for your continued support and dedication to the green environment and nature.

## *Trust Members*

	<p><b>Dr. S. Rajalakshmi Jayaseelan</b> <i>Chairman</i></p>		<p><b>Dr. B. Mythili Gnanamangai</b> <i>Vice-Chairman</i></p>
	<p><b>Mr. P. Kanagaraj</b> <i>Secretary</i></p>		<p><b>Mrs. P. Lakshmi</b> <i>Joint-Secretary</i></p>
	<p><b>Late Shri. E. Ponnuchamy</b> <i>Former Treasurer</i></p>		<p><b>Mr. I. Murugasean</b> <i>Treasurer</i></p>

## *Profiles of NSF Staff Members*

	<p><b>Dr. D. Vinoth Kumar</b> <i>Director – Audits</i></p>		<p><b>Ms. V. Sri Santhya</b> <i>Joint Director</i></p>
	<p><b>Ms. M. Nithya</b> <i>Deputy Director (Audits)</i></p>		<p><b>Ms. E. Sivaranjani</b> <i>Deputy Director (Admin)</i></p>
	<p><b>Mrs. A. Saranya</b> <i>Finance Controller</i></p>		<p><b>Mr. R. Gokul</b> <i>Assistant Director (Audits)</i></p>

## Programs and Achievements in 2024

S.NO	DATE	PROGRAMME AND VENUE
1	04.01.2024	Signing MoU with Nehru Arts and Science College, Coimbatore
2	10.01.2024	Received ISO/IEC 17020:2012 Certified Type 'A' Inspection Body by NABCB, QCI
3	07.02.2024	Dr. D. Vinoth Kumar represented a startup meet
4	16.02.2024	NABCB Accreditation celebration at Coimbatore
5	04.03.2024	ISO/IEC 17020:2012 Online Training attended by Ms. E. Sivaranjani and Ms. M. Nithya
6	08.03.2024	Radio Interview by Dr. S. Rajalakshmi at Coimbatore
7	13.03.2024	Ms. M. Nithya, Deputy Director, NSF delivered a lecture on carbon footprint calculations and implementations at KPRIET, Coimbatore
8	16.03.2024	Green Skill Development course initiated at Nirmala College for Women , Coimbatore
9	18.03.2024 to 22.03.2024	Sixth Series Lead Auditor Course conducted Online
10	07.04.2024	Ms. V. Sri Santhya, Ms. M. Nithya, Ms. E. Sivaranjani attended the NGO summit at Tamil Nadu Engineering College
11	16.04.2024	Conducted online lecture on World Earth Day
12	27.04.2024	Launch of NSF Journals at Coimbatore
13	02.05.2024 to 04.05.2024	A three-day Lead Auditor online Course on "Fire Safety Audit"
14	24.05.2024	Award & Honours Distributing Ceremony Conducted during Dr. N.M. Muraleedharan Foundation
15	28.05.2024 to 30.05.2024	Ms.V.Sri Santhya participated" A comprehensive training on Greenhouse Gas Emission Stanadards"
16	05.06.2024	Provided free tree saplings to the public on World Environment Day at Coimbatore
17	06.06.2024	Training on Carbon Foot print and calculation at Parry Agro Tea Industries, Valparai
18	22.06.2024	Life Time Achievement Award to Thiru. V. Ranganathan, Tea Scientist (Formerly),UPASI Tea Research Institute at Valparai
19	27.06.2024	200 <sup>th</sup> Audit celebration at Coimbatore
20	16.08.2024	Signing of MoU with RVS Technical Campus
21	12.09.2024	NSF joined the First TNAU Job Fair as one of the recruiting entities at TNAU Coimbatore
22	23.09.2024 to 04.10.2024	Value added course on 'AI Tools in Environment Sustainability' at PSGCT, Coimbatore
23	07.10.2024 & 08.10.2024	Surveillance Office Assessment for the continuation of NABCB Accreditation at NSF office
24	09.10.2024	Surveillance Witness Assessment at Arjun College of Technology, Coimbatore
25	28.10.2024	Signed MoU with ICTC Calibration Services at NSF office
26	31.10.2024	On the occasion of Diwali, NSF hosted food for the All the Children - Orphanage
27	13.11.2024 & 14.11.2024	Ms.V.Sri Santhya attended the virtual training on ISO/IEC 17020-1:2015 for Management System Certification Bodies
28	25.11.2024 to 27.11.2024	Organized three day online course on "AI Technology in Environment Sustainability Programme"

## Audits Conducted in 2024

S.NO	DATE	PLACE OF AUDIT
1	03.01.2024	Alagappa University, Karaikudi, Tamil Nadu
2	09.01.2024	Christ (Deemed to be University) Bangalore, Karnataka
3	11.01.2024	MES Kalladi College, Palakkad, Kerala
4	13.01.2024	Swami Dayananda College of Arts and Science for Women, Thiruvavur, Tamil Nadu
5	18.01.2024	IIS (Deemed to be University) and International School of Informatics & Management Technical Campus, Jaipur, Rajasthan
6	23.01.2024	St. Philomena College, Mysore, Karnataka
7	30.01.2024	CMS College of Science and Commerce, Coimbatore, Tamil Nadu
8	30.01.2024	G. Narayanamma Institute of Technology & Science (for Women), Hyderabad, India.
9	30.01.2024	Ponjesly College of Engineering, Kanyakumari, Tamil Nadu
10	02.02.2024	Sree Ayyappa College for Women, Nagercoil, Kanyakumari, TN
11	09.02.2024	Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh
12	12.02.2024	Ayya Nadar Janaki Ammal College, Sivakasi, Tamil Nadu
13	13.02.2024	Government College of Engineering, Salem, Tamil Nadu
14	19.02.2024	University of Delhi, Delhi, India
15	23.02.2024	Sindhi Institute of Management, Bangalore, Karnataka
16	28.02.2024	Rajiv Gandhi College of Engineering and Technology, Pondicherry, India
17	05.03.2024	Kottakkal Farook Arts and Science College, Mallapuram, Kerala
18	07.03.2024	G. Venkataswamy Naidu College, Kovilpatti, Tamil Nadu
19	13.03.2024	Geethanjali College of Engineering and Technology, Hyderabad, Telangana
20	18.04.2024	K.D.K College of Engineering, Nagpur, Maharashtra
21	24.04.2024	Uttar Pradesh University of Medical Sciences, Etawah, Uttar Pradesh
22	24.04.2024	Dr. SNS Rajalakshmi College of Arts and Science (Autonomous), Coimbatore
23	26.04.2025	Davangere University, Davangere, Karnataka
24	03.05.2024	Little Flower Degree College, Hyderabad, Telangana
25	04.05.2024	Bharat Institute of Engineering and Technology, Hyderabad, Telangana
26	06.05.2024	AJK College of Arts and Science, Coimbatore, Tamil Nadu
27	08.05.2024	Velammal Engineering College, Chennai, Tamil Nadu
28	09.05.2024	Sanathana Dharma College, Alapuzha, Kerala
29	23.05.2024	Chinmaya Vishwa Vidyapeeth (Deemed to be University), Ernakulam, Kerala
30	31.05.2024	Indira Gandhi University, Meerpur (Rewari), Haryana
31	03.06.2024	Rajeev Institute of Technology, Hassan, Karnataka
32	05.06.2024	K.S.Rangasamy College of Technology, Tiruchengode, Tamil Nadu
33	15.06.2024	V.S.B College of Engineering and Technical Campus, Coimbatore
34	19.06.2024	Madhu Jayanthi International Ltd. Coimbatore, Tamil Nadu
35	26.06.2024	Christian College of Engineering and Technology, Dindigul, Tamil Nadu
36	27.06.2024	Nirmala College for Women, Coimbatore, Tamil Nadu
37	06.07.2024	Ideal College for Advanced Studies, Malappuram, Kerala
38	10.07.2024	The Dale View College of Pharmacy & Research Centre, Trivandrum, Kerala
39	24.07.2024	Sri Ganesh College of Arts & Science, Salem, Tamil Nadu
40	29.07.2024	The English and Foreign Languages University, Hyderabad, Telangana
41	07.08.2024	Makhanlal National University of Journalism and Communication, Bhopal, Madhya Pradesh
42	16.08.2024	Mother Teresa Women's University, Kodaikanal, Tamil Nadu
43	21.08.2024	NSS College, Pandalam, Kerala
44	06.09.2024	Mohamed Sathak Engineering College, Ramanathapuram, Tamil Nadu
45	12.09.2024	Bhiwapur Mahavidyalaya, Nagpur, Maharashtra
46	13.09.2024	The Gandhigram Rural Institute (Deemed to be University), Dindigul
47	18.09.2024	Sreekrishnapuram V T Bhattathiripad College, Palakkad, Kerala
48	20.09.2024	Stella Matutina College of Education, Chennai, Tamil Nadu

49	23.09.2024	Netaji Subhas University of Technology, Dwarka, New Delhi
50	09.10.2024	Arjun College of Technology, Coimbatore, Tamil Nadu
51	28.10.2024	Mahatma Gandhi Medical College and Research Institute (Deemed to be University), Pillaiyarkuppam ,Pondicherry, India.
52	07.11.2024	Noorul Islam Centre for Higher Education, Kumaracoil ,Tamil Nadu
53	12.11.2024	Dr. NGP Institute of Technology, Coimbatore, Tamil Nadu
54	13.11.2024	Shri Sathya Sai Medical College & Research Institute, Chengalpattu, TN
55	18.11.2024	TCP limited, Karaikudi – Kundarakudi Road, Kovilur, Sivagangai Tamil Nadu, India
56	25.11.2024	Institute of Forest Genetics and Tree Breeding(Indian Council of Forestry Research and Education), Coimbatore-641002,Tamil Nadu, India
57	27.11.2024	St. Joseph's Degree College for Women (Autonomous) , Kurnool , Andhra Pradesh
58	10.12.2024	Sri Sairam College of Engineering, Bengaluru, Karnataka
59	16.12.2024	Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded, Maharashtra
60	18.12.2024	KIT-Kalaignar Karunanidhi Institute of Technology, Coimbatore, TN
61	20.12.2024	Sri Ramakrishna College of Arts and Science, Coimbatore, Tamil Nadu
62	31.12.2024	Botanical Survey of India, Coimbatore, Tamil Nadu

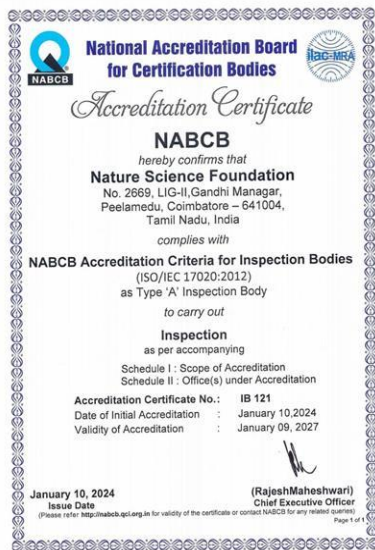
## Mile Stones of NSF... Strengthening Educational Ties

On January 4<sup>th</sup> 2024, Dr. D. Vinoth Kumar, Director, represented the signing of a Memorandum of Understanding (MoU) with Nehru Arts and Science College, Coimbatore, Tamil Nadu. This significant partnership marks a step forward in fostering collaboration between the two entities. The MoU aims to support the exchange of knowledge, resources, and opportunities in various domains, particularly focusing on entrepreneurship, innovation, and research. By formalizing this alliance, both parties look forward to creating an environment that nurtures skill development, academic growth, and practical application, which will benefit students, faculty, and the broader community.



## Proudly Certified: ISO/IEC 17020:2012 Type 'A' Inspection Body Accreditation by NABCB, QCI

We are proud to announce that our organization has been awarded the ISO/IEC 17020:2012 certification as a Type 'A' Inspection Body by the National Accreditation Board for Certification Bodies (NABCB), Quality Council of India (QCI) on January 10, 2024. This prestigious certification recognizes our commitment to maintaining the highest standards of inspection processes and operations. ISO/IEC 17020:2012 sets the global benchmark for the competence of inspection bodies, and our accreditation reflects our ability to provide impartial, accurate, and reliable inspection services. Achieving Type 'A' status signifies that we operate independently and have no conflicts of interest, ensuring that our inspections are conducted with the utmost integrity and professionalism. It further strengthens our position in the industry and affirms our ongoing commitment to meeting the evolving needs of our clients while adhering to international best practices.



## Igniting Start-up Potential

On February 7<sup>th</sup>, Dr.D.Vinoth Kumar played a pivotal role in representing a dynamic startup meet that brought together innovators, entrepreneurs, and industry experts. As a passionate advocate for entrepreneurship, Dr. Kumar shared his wealth of knowledge, offering valuable insights and actionable strategies aimed at fostering growth within the startup ecosystem. The event served as an excellent platform for networking, idea exchange, and collaboration, where entrepreneurs could connect, share experiences, and gain crucial perspectives from experienced industry leaders. Through this gathering, participants were equipped with the tools, resources, and inspiration needed to scale their ventures and navigate the challenges of the entrepreneurial journey.



## NSF Team Honors NABCB Accreditation

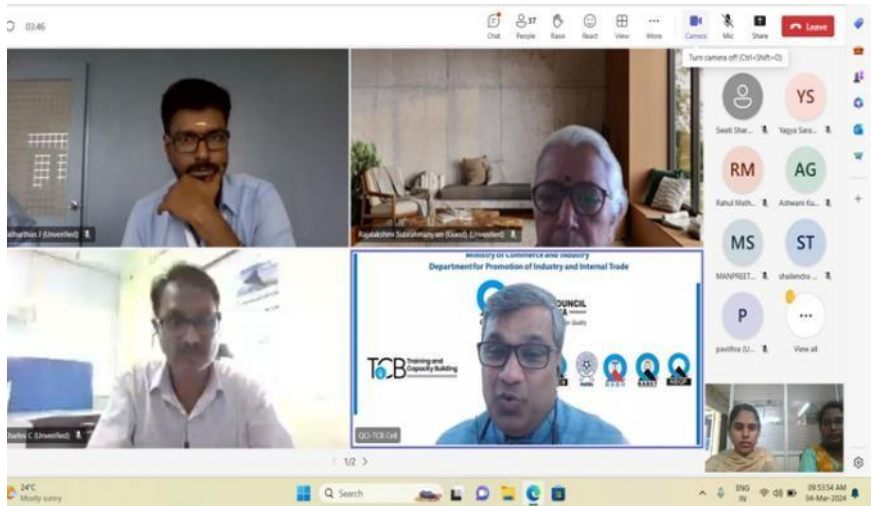
On February 16th, the NSF team proudly celebrated their prestigious NABCB (National Accreditation Board for Certification Bodies) accreditation. This significant milestone marks a major achievement in the team's ongoing commitment to delivering top-tier services with integrity and professionalism. The celebration acknowledged the hard work, dedication, and excellence that led to this accreditation, which further solidifies NSF's position as a leader in the industry. The accreditation reflects



their adherence to international standards, enhancing their credibility and reputation while ensuring the highest level of service quality. The event was a moment of pride for the entire team, inspiring them to continue upholding the standards of excellence and furthering their contributions to the industry.

## Enhancing Expertise NSF's Deputy Directors Complete ISO/IEC 17020:2012 Training

On March 4th, Ms. E. Sivaranjani and Ms. M. Nithya, Deputy Directors of NSF,



participated in an insightful ISO/IEC 17020:2012 training session organized by the Training and Capability Cell of the Quality Council of India (QCI). This training equipped them with advanced knowledge and practical insights on ISO/IEC 17020:2012 standards, essential for the accreditation and operation of inspection bodies. The session provided valuable guidance on maintaining high standards of quality and competence, which will further enhance NSF's capabilities in delivering reliable and impartial inspection services. By attending this training, Ms. Sivaranjani and Ms. Nithya reaffirmed their commitment to continuous learning and to ensuring that NSF stays at the forefront of industry excellence.

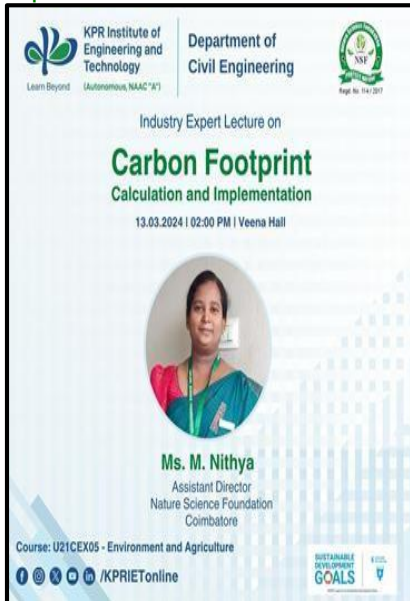
## Empowering Voices: Dr. S. Rajalakshmi Talks Women's Empowerment on Air

On March 8th, Dr. S. Rajalakshmi, Chairperson, took the spotlight in a compelling radio interview where she shared her perspectives on women empowerment. With her deep commitment to advocating for

gender equality, Dr. Rajalakshmi emphasized the importance of empowering women in all spheres of life, from education and leadership to economic independence. Through her insightful conversation, she highlighted the challenges women continue to face and underscored the transformative role empowerment plays in shaping a more inclusive society. Her interview resonated with listeners, inspiring them to take meaningful steps toward fostering equality and support for women in their communities. Dr. Rajalakshmi's voice serves as a powerful reminder of the ongoing need to elevate and empower women in every aspect of life.

## Lecture on Carbon Footprint

On March 13, 2024 Ms. M. Nithya, the Deputy Director of NSF, delivered an insightful lecture at KPR Institute of Engineering and Technology (KPRIET), Coimbatore, on the topic of carbon footprint calculations and their implementation. The lecture



aimed to enhance the awareness about the significance of measuring and managing carbon emissions, providing attendees with practical insights into the methodologies used for carbon footprint analysis. Ms. Nithya discussed various approaches to quantifying carbon footprints across different sectors and explored strategies for reducing carbon emissions in both organizational and individual contexts. Her presentation emphasized the importance of sustainable practices and their role in combating climate change. The session was well-received by students and faculty members alike, fostering meaningful discussions on how carbon footprint awareness can drive positive environmental change.

## Green Skill Development Workshop

On March 16, a dynamic Green Skill Development workshop was held at Nirmala College for Women in Coimbatore, Tamil Nadu, aimed at equipping students with essential skills for sustainable environmental practices. The event focused on promoting green technologies, eco-friendly solutions, and practical knowledge on how individuals can contribute to a more sustainable future. Through engaging sessions, participants learned about green skills in various sectors, from renewable energy to waste management and resource conservation. The workshop emphasized the significance of green jobs in the

## Sixth Series Lead Auditor Course

From March 18<sup>th</sup> -22<sup>nd</sup>, 2024, the Sixth Series of the highly



anticipated 5-Day Lead Auditor Course was conducted, providing participants with in-depth training on auditing practices for quality management systems. The course, designed for professionals seeking to advance their auditing capabilities,

modern economy and how these skills are pivotal in addressing global environmental challenges.



focused on the standards, methodologies, and techniques essential for conducting effective audits in various industries. Over the span of five days, attendees were equipped with critical skills to assess compliance, identify non-conformities, and suggest improvements for better organizational efficiency and quality. The course covered a range of topics, including audit planning, risk assessment, and reporting, along with practical exercises and case studies to enhance real-world application. This training not only prepared participants to take on lead auditor roles but also highlighted the importance of maintaining consistent quality standards in organizations. By the end of the course, participants gained comprehensive knowledge and confidence to lead successful audits, ensuring continuous improvement within their respective sectors.

## NGO Summit

On April 7, 2024, Ms. V. Sri Santhya, Ms. M. Nithya, and Ms. E. Sivaranjani attended the prestigious NGO Summit at Tamil Nadu Engineering College. The event brought together leaders, innovators, and professionals from various non-governmental organizations (NGOs) to discuss pressing social issues, share insights, and explore potential collaborations for community development. During the summit, the attendees participated in informative sessions and workshops that focused on the role of NGOs in addressing critical challenges such as education, healthcare, sustainability, and social equity. The discussions provided valuable perspectives on how NGOs can work



alongside governments, and businesses to drive impactful change. The participation of Ms. Santhya, Ms. Nithya, and Ms. Sivaranjani highlighted their commitment to fostering social responsibility and

contributing to meaningful solutions. The summit served as an excellent platform for networking, idea exchange, and strengthening the collective effort towards creating a more inclusive and sustainable society.

## A Virtual Journey to Sustainability

On April 22, 2024, in celebration of World Earth Day, the National Sustainability Foundation (NSF) hosted a thought-provoking virtual lecture with guest speaker Dr. A. Amrutha Valli. The lecture focused on sustainability practices, environmental conservation, and the urgent need to adopt eco-friendly solutions to protect our planet. Dr. A. Amrutha Valli, an expert in environmental science, shared valuable insights on the current state of the environment, the challenges posed by climate change, and the importance of individual and collective actions in mitigating environmental harm. The session engaged participants

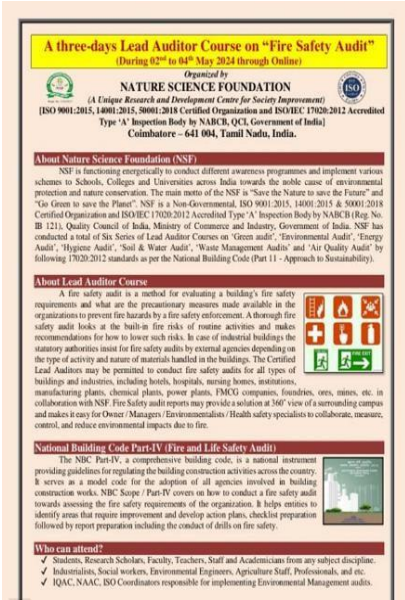
through discussions on sustainable living, resource management, and the role of communities in driving positive change.

## Inaugural Launch of Prominent NSF Journals

We are excited to announce the official launch of four new prestigious journals under the National Science Foundation (NSF), marking a significant step in the global dissemination of cutting-edge research and academic discourse. The launch event on April 27<sup>th</sup>, 2024 introduced the following journals: 1) International journal of computer science and management, 2) International journal of Social science and commerce, 3) International journal of engineering innovations. These journals will provide a unique platform for scholars, researchers, and practitioners from around the world to share their findings,

insights, and ideas in their respective fields. We aim to foster a collaborative environment where diverse perspectives contribute to shaping the future of science, technology, commerce, and engineering.

# Enhancing Safety Standards



From May 2<sup>nd</sup> to 4<sup>th</sup> 2024, a comprehensive three-day Lead Auditor Course on "Fire Safety Audit" was conducted, offering participants an in-depth understanding of fire safety management systems and the essential skills needed to audit fire safety protocols effectively. The course, designed for professionals aiming to enhance their expertise in fire safety, provided practical knowledge on assessing risks, evaluating compliance, and ensuring the implementation of effective safety measures in various organizations. The program fostered a collaborative learning environment, allowing attendees to engage in interactive sessions, case studies, and discussions about real-world challenges. By the

# World Environment Day Celebration

On June 5<sup>th</sup> 2024, in celebration of World Environment Day, Nature Science Foundation (NSF) took an active role in promoting environmental awareness by distributing free tree saplings to the community. The event highlighted the importance of tree planting in mitigating climate change, enhancing biodiversity, and preserving ecosystems for

end of the course, participants were equipped with the tools and confidence to conduct thorough fire safety audits, ultimately contributing to safer workplaces and communities.

# Award and Honors Ceremony

On May 24<sup>th</sup> 2024, the prestigious Dr. N.M. Muraleedharan Foundation hosted a memorable Award and Honors Distributing Ceremony, recognizing outstanding achievements and contributions across various fields.



The event, held in the spirit of fostering excellence and inspiring future leaders, celebrated individuals who have made significant impacts in their respective domains.

# Shaping the Future



From May 28<sup>th</sup> to 30<sup>th</sup> 2024, Ms. V. Sri Santhya took part in a comprehensive training on



"Greenhouse Gas Emission Standards," organized by Training and Capacity Building (TCB) cell, Quality Council of India. This intensive program focused on the latest global regulations and practices related to greenhouse gas emissions, equipping participants with the knowledge to reduce environmental footprints and align with climate action goals. Throughout the training, Ms. V. Sri Santhya gained valuable insights into the methodologies used to measure, report, and reduce greenhouse gas emissions, alongside the essential steps to ensure compliance with international standards. Her participation underscores a commitment to staying ahead in environmental management practices, reflecting both personal and professional dedication to creating a sustainable future.

future generations. Through this initiative, NSF aimed to inspire individuals and communities to take tangible steps toward environmental conservation. The distribution of tree saplings served as a reminder of the crucial role trees play in absorbing carbon dioxide, improving air quality, and providing habitat for wildlife. By encouraging local participation in the act of planting trees, NSF emphasized the collective responsibility in preserving the planet for future generations. This celebration of World Environment Day was not just about marking a global observance, but about igniting a lasting commitment to sustainability and environmental stewardship within the community.

## Training on Carbon Footprint

On June 6<sup>th</sup> 2024, a specialized training session on "Carbon Footprint and Calculation"



was conducted at Parry Agro Tea Industries in Valparai, focusing on raising awareness and providing practical tools for measuring and reducing carbon emissions in the

tea industry. This training aimed to equip employees and stakeholders with the knowledge needed to evaluate their carbon footprint and take actionable steps toward sustainability. The session covered essential topics such as the concept of carbon footprint, methods for calculating emissions, and strategies to reduce the environmental impact of industrial activities. Participants gained valuable insights into how their operations could contribute to global climate goals and learned about sustainable practices that could be implemented within their processes.

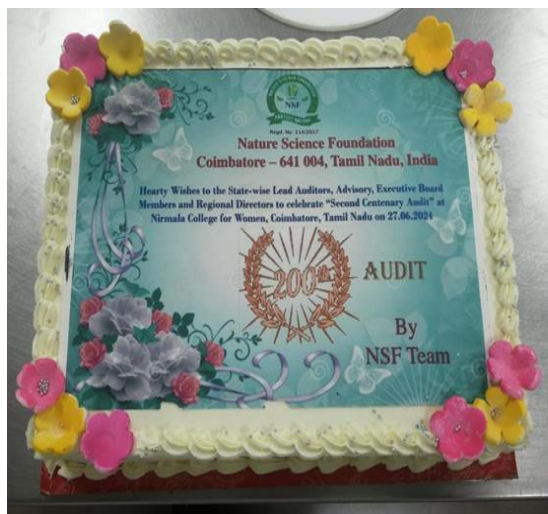
## Celebrating Excellence

On June 22<sup>nd</sup> 2024, Thiru. V. Ranganathan, a distinguished tea scientist and former expert at the UPASI Tea Research Institute, was honored with a Lifetime Achievement Award in recognition of his invaluable contributions to the tea industry. The award, presented in Valparai, Tamil Nadu, celebrates his exceptional dedication to advancing tea research and his unwavering commitment to enhancing the quality and sustainability of tea production in India. Throughout his career, Mr. Ranganathan's pioneering work in tea science has greatly influenced agricultural practices and industry standards.



## 200th Audit

On June 27<sup>th</sup> 2024, the Nature Science Foundation proudly celebrates a significant achievement – its 200<sup>th</sup> audit. This milestone marks unwavering commitment to transparency, excellence, and integrity in advancing scientific research and environmental conservation. The 200<sup>th</sup> audit is not just a reflection of our financial rigor, but a testament to our foundation's dedication to accountability and ethical practices. It signifies the hard work of our team, the trust of our partners, and the invaluable support of our community. Each audit represents our continuous efforts to ensure that the resources entrusted to us are used effectively in supporting ground breaking research, conservation initiatives, and educational programs. As we celebrate this landmark, we acknowledge the individuals and teams that have contributed to the success of the Nature Science Foundation.



## Audit Journey of Nature Science Foundation

The comprehensive audit conducted by the Nature Science Foundation from January to June 2024 provided valuable insights into the current state of education in these institutions. While many strengths were identified, there are still areas that require focused improvements to ensure that institutions are better prepared to meet the challenges of the future and deliver high-quality education and research outcomes. The recommendations provided will serve as a guide for these institutions as they continue to strive for excellence in science education and research.

On January 3rd, 2024, a comprehensive Green Campus audit was carried out at Alagappa University, located in Karaikudi, Tamil Nadu. The audit was led by a dedicated team comprising Dr. D. Vinoth Kumar, Dr. K. Ruckmani, Dr. Alagappan Gandhi, and Dr. V. Nirmal kannan.

conservation efforts. These audits provided valuable insights into the university's environmental footprint, offering recommendations for improving resource management and promoting sustainability on campus.



On January 11th 2024, Green Audit and Energy Audit were conducted at MES Kalladi College, Palakkad, Kerala, to assess and improve the college's sustainability practices. The audits were led by Mr. Hari Basker, Dr. D. Vinoth Kumar, and Er. A. Karthik, experts in environmental management and energy efficiency.

assessing the ecological footprint, energy efficiency, waste management practices, water conservation, soil health, and air quality, with the goal of identifying areas for improvement and recommending sustainable solutions.

A set of audits, including Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality, were conducted on January 18th, 2024, at IIS (Deemed to be University, Jaipur, Rajasthan). Dr. D. Vinoth Kumar and Dr. Sumita Kumari carried out these audits aimed to assess the sustainability practices and environmental impact, focusing on key areas such as energy efficiency, waste management, water conservation, soil health, and air quality. The evaluations provided valuable insights and recommendations to enhance the institutions' commitment to environmental stewardship and sustainability.



On January 9th 2024, Green Campus, Soil, and Water audits were conducted at Christ (Deemed to be University), Bangalore, Karnataka, as part of the university's commitment to sustainability. Led by Dr. D. Vinoth Kumar and Dr. Veeresh, the audits followed established protocols to assess the university's environmental impact. The Green Campus Audit evaluated the campus's sustainable practices. The Soil Audit focused on the quality and health of the campus soil, while the Water Audit examined water consumption and

A comprehensive series of audits, including Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality, were conducted on January 13th 2024, at Swami Dayananda College of Arts and Science for Women, Thiruvarur, Tamil Nadu. The audit team, consisting of Dr. D. Vinoth Kumar, Prof. S. Ganesaguru, Dr. J. Sebastin Roy, and Ar. N. M. Pradeep Kumar, carried out a detailed evaluation of various environmental and sustainability aspects. Their efforts focused on

A wide range of audits, including Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality, were conducted on January 23rd, 2024, at St. Philominous College. The audit team led by Dr. D. Vinoth Kumar, Dr. Jayaprakash, Dr. Veeresh aimed to evaluate and improve the college's sustainability practices, environmental management, and implement more sustainable practices across the campus.



Green Campus, Environment, and Energy audits were conducted at Ponjesly College of Engineering, Kanyakumari, Tamil Nadu, on January 30th, 2024. The audit was led by a team of expert auditors: Dr. D. Vinoth Kumar, Er. C. Anandha Kumar, and Mr. S. Varatharaj. The team assessed various aspects of the college's sustainability practices, including energy efficiency, environmental impact, and green campus initiatives.

Green Campus, Environment, Energy, and Waste Management audits were conducted at CMS College of Science & Commerce, Coimbatore, Tamil Nadu, on January 30th, 2024. The audits were carried out by a dedicated team comprising Dr. R. Mary Josephine, Dr. Sreekala K. Nair, Ms. M. Nithya, and Ms. P. Jays Emmimal. Their assessments aimed to identify areas for improvement and provided valuable recommendations to enhance the college's sustainability efforts, helping to promote a greener and more eco-conscious campus environment.

Green Campus, Environment, Energy, and ISO (9001) audits were conducted at G. Narayanamma Institute of Technology & Science (for Women), Hyderabad, India, on January 30th, 2024. The audits were led by a team of expert auditors: Dr. Masilamani Selvam, Dr. Ravichandran, and Mr. Sudheerkumar. The team assessed various aspects of the institution's sustainability practices, including energy usage, environmental impact, and adherence to ISO 9001 standards. Their evaluations provided insights into the college's resource management, quality control systems, and overall environmental sustainability, offering recommendations to further improve the institution's green practices and quality management systems.

Green Campus, Environment, Energy, and ISO (9001) audits were conducted at G.



Narayanamma Institute of Technology & Science (for Women), Hyderabad, India, on January 30th, 2024. The audits were led by a team of expert auditors: Dr. Masilamani Selvam, Dr. Ravichandran, and Mr. Sudheerkumar. The team assessed various aspects of the institution's sustainability practices,



including energy usage, environmental impact, and adherence to ISO 9001 standards. Their evaluations provided insights into the college's resource

practices and quality management systems.

A series of audits, including Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality, were conducted on February 2nd, 2024, at Sree Ayyappa College for Women, Nagercoil, Tamil Nadu. The audit process was headed by a team of experts: Dr. D. Vinothkumar, Dr. V. Nirmal Kannan, Dr. B. Gopaldasamy, and Dr. Masilamani Selvam.

A comprehensive set of audits, including Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality, were conducted on February 9th, 2024, at Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh. The entire audit process was carried out by Dr. Masilamani Selvam and Dr. Vijaykrishna

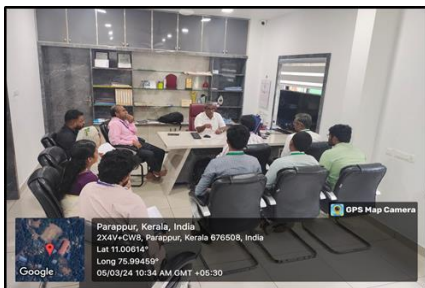


management, quality control systems, and overall environmental sustainability, offering recommendations to further improve the institution's green

Lapaka, who followed established protocols to evaluate the college's sustainability practices.

A thorough series of audits, including Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality, were conducted on February 12th, 2024, at Ayya Nadar Janaki Ammal College, Sivakasi, Tamil Nadu. Dr. Masilamani Selvam, Dr. D. Vinothkumar, and Mr. M. Rajesh managed the entire audit process, ensuring that all procedures followed the established protocols.

Green Campus and Energy audits were performed on February 13th, 2024, at Government College of Engineering, Salem, Tamil Nadu. The audit team, comprising Dr. D. Vinothkumar, Er. A. Karthik, Mr.S. V.Shankaranayanan, Mr.S. Varadharaj, and Mr.V. Vaitheeswaran, conducted a thorough evaluation of the campus's sustainability practices.



A wide range of audits, including Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality, were conducted on February 19th, 2024, at the University of Delhi, Delhi, India. The entire audit process was overseen by Dr. D. Vinothkumar, Er. A. Karthik, and Dr. Tanu Allen. The team assessed various sustainability practices across the campus, focusing on key areas such as energy efficiency, waste management, water conservation,



air quality, and overall environmental impact.

ISO QMS (9001:2015) audit was conducted on February 23rd, 2024, at Sindhi Institute of Management, Bangalore, Karnataka. Dr. D. Vinothkumar evaluated the audit process in strict accordance with the ISO 9001:2015 standards. The audit focused on assessing the institute's quality management systems provided insights into the institution's adherence to the quality standards and highlighted areas for potential enhancement to further strengthen its processes.

Green Campus, Environment, and Energy audits were conducted at Rajiv Gandhi College of Engineering and Technology, Pondicherry, India, on February 28th, 2024. The audit process was led by Dr. D. Vinothkumar, Dr. Masilamani Selvam, and Dr. Jegatheeswaran.

A comprehensive set of audits, including Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality, Academic Administrative audit, and ISO 21001:2018 audit, were conducted on March 5th, 2024, at Kottakkal Farook Arts and Science College, Malappuram, Kerala. The audit process was led by Dr. D. Vinothkumar and Er. A. Karthik. The audits ensured that the college aligned with best practices in sustainability and academic excellence.

Green Campus, Environment, Hygiene, and Energy audits were conducted at G. Venkataswamy Naidu College,

Kovilpatti, Tamil Nadu, on March 7th, 2024. The audit process was headed by Dr. D. Vinothkumar, Dr. Jeyaprakash, and Er. Manikandan. The team evaluated the college's sustainability practices, focusing on areas such as energy efficiency, waste management, environmental impact, and hygiene standards.

Green Campus, Environment, and Energy audits were conducted at Geethanjali College of Engineering and Technology, Hyderabad, Telangana, on March 13th, 2024. The audit process was conducted by Dr. Masilamani Selvam and Er. Bura Hema Malini. The audits helped identify key areas for enhancement to ensure a more sustainable and energy-efficient campus.



A wide range of audits, including Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality, were conducted on April 18th, 2024, at K.D.K College of Engineering, Nagpur, Maharashtra. These audits aimed to evaluate and enhance the college's sustainability practices

across various domains. The focus was on assessing energy efficiency, waste management, water conservation, soil health, and air quality to ensure the college's commitment to environmental stewardship.

various aspects of the college's sustainability practices, focusing on energy efficiency, waste management, water conservation, and overall environmental impact.

audit process, ensuring it was carried out according to the established standards.

A comprehensive set of audits, including Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality, were conducted on May 6th, 2024, at AJK College of Arts and Science, Coimbatore, Tamil Nadu. The audit process was led by a team consisting of Dr. D. Vinothkumar, Mr. Bhadran, Er. Karthik, Ms. Nithya, and Mr. Gokul, who focused on evaluating various sustainability aspects of the campus.

A thorough series of audits, including Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality, were conducted on May 6th, 2024, at Velammal Engineering College, Chennai, Tamil Nadu. The audit process was led by Dr. D. Vinothkumar, Dr. Ashif Jamal, and Mr. Artanari. The team evaluated various sustainability practices across the campus, focusing on energy efficiency, waste management, environmental impact, water conservation, and campus hygiene.



A comprehensive set of audits, including Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality, were conducted on April 18th, 2024, at Uttar Pradesh University of Medical Sciences, Etawah, Uttar Pradesh. The audits were led by Dr. D. Vinothkumar and Dr. Tanu Allen. Their evaluations provided valuable insights and recommendations to enhance the institution's sustainability efforts and improve its overall environmental performance.

Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality audits were conducted on April 26th, 2024, at Davangere University, Davangere, Karnataka. The audit team was led by Dr. Masilamani Selvam, Dr. Jayaprakash, and Mr. Chandran. Their findings and recommendations provided valuable insights for enhancing the university's environmental footprint and promoting more sustainable practices on campus.



A complete set of audits, including Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality, were conducted on April 24th, 2024, at Dr. SNS Rajalakshmi College of Arts and Science (Autonomous), Coimbatore, Tamil Nadu. The auditing process was represented by Er. A. Karthik, Er. Krishnakumar, Ms. V. Sri Santhya, and Ms. R. S. Thulaja. The team assessed

A wide range of audits, including Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality, were conducted on May 3rd, 2024, at Little Flower Degree College, Hyderabad, Telangana. The audit team was led by Dr. Masilamani Selvam and Er. Sudheer Kumar. The team assessed various sustainability aspects of the college, focusing on energy efficiency, waste management, environmental impact, water conservation, soil health, and air quality.

A detailed set of audits, including Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality, were conducted on May 9th, 2024, at Sanathana Dharma College, Alappuzha, Kerala. The audit process was led by Dr. N.V. Dhanya, Dr. Thangavelu, Ms. M. Nithya, Ms. E. Sivaranjani, and Er. A. Karthik. Their recommendations aimed to enhance the college's sustainability practices and promote a greener, more efficient campus.



Green Campus and Energy audits were conducted on May 4th, 2024, at Bharat Institute of Engineering and Technology, Hyderabad, Telangana. Dr. M. Ravichandran oversaw the entire

Green Campus, Environment, Energy, and ISO 9001 audits were conducted at Chinmaya Vishwa Vidyapeeth (Deemed to be University), Ernakulam, Kerala, on May 23rd, 2024. The audit process was

of Technology, Hassan, Karnataka. The audit process was led by Dr. S.J. Veeresh, Mr. N.D. Hitesh, Mr. H.S. Chandrasekar, and Dr. D. Vinoth Kumar.

A series of audits, including Green Campus, Environment,

It sounds like there was an important event scheduled for June 19th, 2024, at Madhu Jayanthi International Ltd. in Coimbatore, Tamil Nadu, focusing on water management, waste management, greenhouse gas (GHG) emissions, and health and safety audits. Er. A. Karthik and Mr. Krishna Kumar represented the team for these audits.

Green Campus, Environment, and Energy audits were conducted on June 26th, 2024 at Christian College of Engineering and Technology, Dindigul, Tamil Nadu. The team for this audit included Dr. D. Vinoth Kumar, Dr. Masilamani Selvam, Ms. V. Sri Santhya, and Mr. Gokul.

On June 27th, 2024, a wide range of audits, including Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality, were



carried out by Dr. D. Vinothkumar, Ms. M. Nithya, Ms. E. Sivaranjani, and Er. A. Karthik. The team assessed various aspects of the university's sustainability practices, focusing on energy efficiency, environmental impact, and the implementation of ISO 9001 quality management standards.

Energy, Hygiene, Waste Management, Soil & Water, and Air Quality, were conducted on June 3rd, 2024, World Environment Day, at K.S. Rangasamy College of Technology, Tiruchengode, Tamil Nadu. The audit process was led by Ms. V. Sri Santhya, Er. Karthik, Mr. Bhadrhan, Dr. Masilamani Selvam, and Dr. Amzad Basha Kolar. Their evaluation aimed to provide actionable recommendations to enhance the college's eco-friendly initiatives and promote a more sustainable campus environment.



A comprehensive series of audits, including Green Campus, Environment, Energy, Hygiene,



Waste Management, Soil & Water, and Air Quality, were conducted on May 9th, 2024, at Indira Gandhi University, Meerpur (Rewari), Haryana. The audit process was led by Dr. D. Vinothkumar, Dr. Tanu Allen, and Prof. S. Krishna Sundari. Their evaluations provided valuable insights and recommendations to enhance the university's sustainability efforts and eco-friendly initiatives.

On June 15th, 2024, Green Campus, Environment, and Energy audits were conducted at V.S.B College of Engineering and Technical Campus, Coimbatore, Tamil Nadu. The audit process was carried out by Dr. D. Vinothkumar, Ms. M. Nithya, Ms. E. Sivaranjani, Mr. Gokul, and Er. A. Karthik. The team assessed the campus's sustainability practices, focusing on energy usage, environmental impact, and green initiatives.

conducted at Nirmala College for Women, Coimbatore, Tamil Nadu. Dr. R. Mary Josephine led the Green Campus and Air Quality audits, while Dr. N. Saranya and Dr. P. Renukadevi handled the Environment and Waste Management audits. Dr. D. Vinoth Kumar and Dr. M. Masilamani Selvam took charge of the Soil, Water, and Hygiene audits, and Er. A. Karthik was responsible for the Energy audit. This comprehensive approach ensured a thorough assessment of the college's environmental impact and sustainability practices.

A set of audits, including Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and aAir Quality, were conducted on June 3rd, 2024, at Rajeev Institute



## MoU Signing

On August 16, 2024 a significant milestone was achieved with the signing of a Memorandum of Understanding (MoU) between Nature Science Foundation and RVS Technical Campus. This collaboration marks the beginning of an exciting partnership aimed at fostering academic excellence, innovation, and industry engagement. The signing ceremony, attended by key stakeholders from both institutions, set the stage for a promising future

This initiative aims to address the growing demand for green professionals in industries that are focusing on eco-friendly solutions and sustainable growth. The session covered essential topics related to green technologies, sustainable development, and eco-conscious practices, preparing students to contribute to a cleaner, greener future. By incorporating hands-on learning and practical insights, the class provided participants with a deeper understanding of green jobs, renewable energy, waste

academic learning and industry opportunities, providing a platform for students to explore diverse career paths in agriculture and allied sectors. As part of the fair, NSF had the opportunity to engage with talented graduates and professionals, offering them insight into exciting job prospects and growth opportunities within the organization. The event also allowed NSF to connect with potential candidates whose skills and aspirations align with the company's vision of



of collaboration, empowerment, and innovation. Together Nature Science Foundation and RVS Technical Campus are ready to shape the leaders of tomorrow.

management, and environmental conservation. This initiative also encourages students to be proactive in preserving the environment while embracing career opportunities in the green sector.

innovation, sustainability, and excellence. The fair served as a powerful reminder of the importance of collaboration between educational institutions and industry players in shaping the future of tomorrow's workforce.

## Green Skill Development Class

On August 23, 2024, a transformative Green Skill Development Class was held at Nehru Arts and Science College, focusing on equipping students with the skills and knowledge required for sustainable practices and environmental preservation.

## NSF Takes Part in First Job Fair

On September 12, 2024, NSF proudly participated in the inaugural TNAU Job Fair as one of the key recruiting entities. This event marked a significant step in bridging the gap between



## Value Added Course at PSGCT

From September 23 to October 10, 2024, PSG College of Technology, Coimbatore, offered a dynamic Value Added Course on 'AI Tools in Environmental Sustainability,' which also included modules on entrepreneurship, mushroom cultivation, and pastry making. Designed for the Mechanical and Production Engineering departments, the course featured a rich blend of practical and theoretical content. The Mechanical Engineering session ran from September 23 to October 4, while the Production Engineering session was held from September 25 to October 4, with additional sessions on October 15 and 16. The course covered 17 practical sessions, seminars, case studies, and continuous assessments to provide students with hands-on experience in AI applications for sustainable

practices. Participants also explored entrepreneurial skills, agricultural innovation in mushroom cultivation, and culinary creativity in pastry making. Brainstorming and demo sessions further enhanced learning, encouraging students to tackle real-world challenges with innovative solutions. Practical and final assessments helped evaluate their understanding and skills, preparing them for impactful careers in both engineering and sustainable entrepreneurship.



## NABCB Surveillance Office Assessment



On October 7 and 8, 2024, a crucial Surveillance Office Assessment was conducted to evaluate the continued compliance with the standards required for NABCB (National Accreditation Board for Certification Bodies) Accreditation. Led by Mr. C. M. Sharma, the Lead Assessor, the assessment aimed to ensure that the organization maintains the high-quality standards and practices required for its accreditation status. The process involved a thorough review of operational procedures, documentation, and adherence to industry regulations. The successful completion of this assessment is vital for maintaining accreditation, reinforcing the organization's commitment to quality, and assuring stakeholders of its ongoing excellence in performance and compliance.

## Surveillance Witness Assessment

On October 9, 2024, a significant Surveillance Witness Assessment was conducted at Arjun College of Technology, Coimbatore, Tamil Nadu. The assessment aimed to verify and evaluate the college's adherence to established quality standards and protocols, ensuring that it meets the necessary requirements for continued accreditation. During this process, expert assessors observed and reviewed various operational practices, focusing on compliance, consistency, and overall performance. This assessment is an essential step in maintaining the college's accredited status, reinforcing its commitment to providing quality education, and ensuring that all systems align with industry standards.



## MoU Agreement



On October 28, 2024, NSF signed a Memorandum of Understanding (MoU) with ICTC Calibration Services, marking the beginning of a strategic partnership aimed at enhancing our service offerings in the field of calibration and testing. With ICTC Calibration Services' strong reputation in providing high-quality calibration solutions, NSF will be better positioned to meet the growing needs of our clients and ensure top-tier performance in our operations.

## Spreading Joy

On October 31, 2024, in celebration of Diwali, NSF organized a heart-warming event by hosting a special meal for the children at All the Children Orphanage. The occasion brought joy, laughter, and a sense of belonging as the children were treated to a festive spread in the spirit of the festival of lights. The Diwali celebration went beyond food, with activities designed to make the children feel cherished and part of the larger community. This initiative was a testament to NSF's commitment to giving back and spreading happiness to those in need, embodying the true essence of Diwali—spreading light, kindness, and warmth to others.



## Training on ISO/IEC 17020-1:2015

On November 13 and 14, 2024, Ms.V.Sri Santhya participated in an insightful training session on ISO/IEC 17020-1:2015, tailored for Management System Certification Bodies. This comprehensive training focused on the standards and best practices for establishing, maintaining, and improving the competence of inspection bodies. Participants gained valuable knowledge on the essential requirements for accreditation, ensuring quality, consistency, and reliability in inspection processes.



## Pioneering AI in Sustainability

Launching a new initiative, Nature Science Foundation organized an innovative 3-day online course on *AI Technology in Environmental Sustainability* from November 25th to 27th, 2024 aimed at exploring the role of Artificial Intelligence in promoting sustainable practices. The event featured Mr. B.

Rajesh, an esteemed expert with credentials from MIT Boston (USA), along with certifications in CIPM, PMPs, and CCNP, as the resource person. Mr. B. Rajesh shared his deep insights on how AI can revolutionize environmental conservation, offering cutting-edge solutions to tackle global challenges like climate change, resource management, and waste reduction. The program provided participants with valuable knowledge and practical applications of AI, equipping them with the tools to drive sustainability in industries and

**Three-day Online Course on  
"AI Technology in Environmental Sustainability Audits"  
(During 25<sup>th</sup> to 27<sup>th</sup> November 2024)**

Organized by  
**NATURE SCIENCE FOUNDATION**  
(An ISO/IEC 17020:2012 Accredited Type 'A' Inspection Body by National Accreditation Board for Certification Bodies, QCI, Government of India)  
Coimbatore - 641 004, Tamil Nadu, India ([www.nsfonline.org.in](http://www.nsfonline.org.in))

**About Nature Science Foundation (NSF)**  
NSF is the ISO 9001:2015, 14001:2015 & 50001:2018 Certified Organization and ISO/IEC 17020:2012 Accredited Type 'A' Inspection Body by NABCB (Reg. No. IB 121), Quality Council of India, Ministry of Commerce and Industry, Government of India. NSF has conducted a total of Six Series of Lead Auditor Courses on 'Green audit', 'Environmental Audit', 'Energy Audit', 'Hygiene Audit', 'Soil & Water Audit', 'Waste Management Audits' and 'Air Quality Audit' by following 17020:2012 standards as per the National Building Code (Part 11 - Approach to Sustainability). NSF has successfully conducted 225 audits across the world covering universities, colleges, industries and public sectors. Our services have also extended internationally including Malaysia, Singapore, and Saudi Arabia. We have 114 Lead Auditors and Technical Experts all over India including 14 Empowered Lead Auditors and 30 Empowered Technical Experts to conduct audits as per 17020:2012 standards.

**About the Course**  
This Certificate Course provides a comprehensive exploration of how AI can enhance environmental audits. Participants will learn about the significance and types of audits, including Green and Energy Audits and gain insights into sustainable parameters such as natural topography and green building codes. The course addresses Energy Conservation Acts, opportunities for energy savings and tools for vehicle emission testing. It also covers AI applications in water and air quality monitoring, GIS, and the development of software for audits. Furthermore, participants will explore ICT and IoT solutions for Sustainable Development Goals (SDGs), alongside ethical considerations and big data analytics. Overall, this course equips learners with the knowledge and skills to leverage AI in promoting environmental sustainability.

**Course Outcomes**

- Gain deep understanding of how AI technologies can be applied to solve environment sustainability challenges.
- Demonstrate the ability to assess and implement AI solutions with a strong awareness of ethical considerations and societal impacts.
- Acquire the technical skills to design, develop, and deploy AI-driven solutions that enhance environment sustainability impacts.
- Develop the effectiveness of AI applications in environment sustainability in identifying areas for improvement and innovation.
- Build the integrating AI expertise with environmental science, policy and business strategies to promote sustainable development.

communities.


## NSF's Sponsorship of Key Initiatives

NSF proudly sponsored several impactful programs at Auxilium College, Vellore, aimed at promoting sustainability and innovation. The sponsorships included ₹10,000 for the *National Seminar on "Innovation in*

*Chemistry for Environmental Sustainability"*, focusing on the role of chemistry in addressing environmental challenges. NSF also contributed ₹15,000 to the *National Seminar on "Emerging Challenges of Green Business in Environmental Sustainability"*, which explored the importance of green business practices for a sustainable future. An additional ₹10,000 was provided for the *National Seminar on "Human and the Environment"*, which examined the relationship between humans and the environment. Furthermore, NSF supported the *State-level Inter-Collegiate Competition on*

**Profile of the Resource Person**

Mr. B. Rajesh (MIT Boston-USA, CIPM, PMPs, CCNP), 20+ years of diverse experience in Strategic Planning & Management, IT Operations, experienced in handling IT Program management for global clients, System & Network IT Operations, Cloud Data Center Migration, Data Center Design and Construction, Cloud Strategy & Architecture & Data Centre Operations. Was heading the Enterprise Cloud Strategy for TATA Chemicals Ltd. He played a major role as HEAD COE IT Infrastructure & Cyber Security (Associate Director IT Infrastructure- Data Centre/Digital Transformation, Cloud Strategy and Automation Architecture on IT Compliance), Held senior position in LIKEMOVE Limited, INDIA, UK, EUROPE, USA & UAE.



**Programme Schedule**

Date and Days	Timings	Topics to be discussed
25 <sup>th</sup> November 2024 (Monday)	6:00-8:00 pm	AI in environment sustainability, Building information modelling, AI in Waste & Air quality monitoring, urban energy systems and materials footprint.
26 <sup>th</sup> November 2024 (Tuesday)	6:00-8:00 pm	AI-driven solutions for environment sustainable development goals, ICT tools for data collection and analysis, IoT, Cloud computing and Machine Learning in environmental monitoring.
27 <sup>th</sup> November 2024 (Wednesday)	6:00-8:00 pm	Introduction to green, environment, energy, hygiene, air, soil, water and waste management audits as per the NBC Part -11 in line with 17020:2012 standards and NABCB guidelines.


**Registration fee and Registration Process**

- Rs.500/- for Students and Research Scholars.
- Rs.1000/- for Teachers, Faculty and Staff members.
- Rs.3000/- for Industrial persons, Environmentalists and Auditors.
- Registration fee may be paid on or before 20<sup>th</sup> November, 2024.
- Registration link: <https://forms.gle/3z274wffmzQ7wv6>


Certificates will be provided

**Account Details**

Name of Account : Nature Science Foundation  
Account No. : 37459341560  
Account Type : Current Account  
Name of Bank : State Bank of India  
IFSC Code : SBIN0005740  
Bank Branch : Vadavalli Branch, Coimbatore, Tamil Nadu.  
Google Pay / Phone Pay: 95667 77255



**For Registration - Please contact:**  
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*"BioexCELLence 3 - Celebrating Diversity in Nature"* with a generous ₹25,000, encouraging students to appreciate biodiversity and its significance for sustainability. These contributions reflect NSF's dedication to fostering knowledge, awareness, and action towards environmental sustainability.

## Audit Journey of NSF

From July to December 2024, the Nature Science Foundation conducted a wide range of audits across various locations, focusing on sustainability and environmental practices. These audits, led by a team of esteemed experts, covered areas such as Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality. The comprehensive evaluations took place at several institutions, including colleges, research institutes, and environmental organizations, ensuring thorough assessments of energy usage, resource management, waste disposal, and environmental impact. The insights and recommendations from these audits are expected to help the organizations adopt more sustainable practices, optimize resource utilization, and contribute to a greener future.

On July 6th, 2024, a comprehensive Green, Environment, and Energy Audit was conducted at Ideal College for Advanced Studies, Malappuram, Kerala. Lead auditors Dr. A.T. Shahida and Dr. D. Vinoth Kumar led the audit



process, assessing energy consumption, waste management practices, and overall environmental practices. The audit aimed at evaluating the college's environmental impact and energy efficiency, helping identify areas for sustainable improvement.

On July 10th, 2024, a series of comprehensive audits were conducted at The Dale View College of Pharmacy & Research Centre, Trivandrum, Kerala,

cleanliness. Er. A. Karthik led the Energy Audit, analyzing the college's energy efficiency and identifying areas for improvement.



covering key areas such as Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality. The audit process was meticulously led by Dr. G. Ganga, Dr. M. R. Jeyaprakash, and Dr. D. Vinoth Kumar, adhering to standard protocols and best practices. This thorough evaluation was designed to assess the college's environmental performance and identify potential areas for improvement, supporting the institution's commitment to sustainability, resource conservation, and creating a healthier, greener campus.

On July 24th, 2024, a series of detailed audits were conducted at Sri Ganesh College of Arts & Science, Salem, Tamil Nadu, covering vital areas such as Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality. Dr. M. Jayashree expertly handled the Green Campus, Environment, and Air Quality audits, ensuring thorough assessments of the college's environmental footprint. Dr. M. Masilamani Selvam and Dr. Ravi Govindaraj took charge of the Soil & Water, Waste Management, and Hygiene audits, evaluating sustainable practices in resource use and

On July 29th, 2024, a thorough series of audits was conducted at The English and Foreign Languages University, Hyderabad, Telangana, covering critical areas such as Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality. Mr. Ariga Sarath Kumar led the Green Campus, Environment, and Air Quality audits, assessing the university's commitment to environmental conservation. Er. S.P. Sudheer Kumar took charge of the Soil & Water, Waste Management, and Hygiene audits, evaluating sustainable practices in resource management and campus cleanliness. Er. A. Karthik conducted the Energy Audit, focusing on the university's energy consumption and efficiency. This extensive audit process reflects the university's dedication to fostering a sustainable, eco-friendly campus and optimizing its resources for a greener future.



On August 7th, 2024, comprehensive Green and Energy Audits were conducted at Makhnallal National University of Journalism and Communication, Bhopal, Madhya Pradesh. Mr. Ariga Sarath Kumar and Dr. D. Vinoth Kumar expertly led the audit process, assessing various aspects of resource usage and environmental impact. The results of this audit will contribute to the university's ongoing efforts to reduce its ecological footprint, optimize energy use, and implement sustainable practices across its campus.

On August 16th, 2024, a thorough series of audits were conducted at Mother Teresa Women's University, Kodaikanal, Tamil Nadu, covering essential areas such as Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality. The audit process was expertly handled by Dr. D. Vinoth Kumar, Er. A. Karthik, and Er. C. Anand Kumar, who evaluated the university's sustainability practices across all domains. The audits focused on assessing the institution's environmental footprint, energy consumption, waste management practices, and overall campus hygiene.



On August 21st, 2024, a series of detailed audits were conducted at NSS College, Pandalam, Kerala, focusing on key areas such as Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality. The audit process was led by Dr. D. Vinoth Kumar and Er. A. Karthik, who assessed the college's environmental impact, resource usage, and overall sustainability practices.

An ISO 9001:2015 audit was conducted on September 6th, 2024 at Mohamed Sathak Engineering College, Ramanathapuram, Tamil Nadu, to assess the institution's adherence to international quality management standards. Dr.D.Vinoth Kumar led the audit process, evaluating the college's management systems, procedures, and practices to ensure compliance with the ISO 9001:2015 standards.



On September 12th, 2024, a series of extensive audits were conducted at Bhiwapur Mahavidyalaya, Nagpur, Maharashtra, covering crucial areas such as Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality. Dr. D. Vinoth Kumar and Er. S.P. Sudheer Kumar led the audit process, meticulously evaluating the college's sustainability practices and resource usage. On September 13th, 2024, comprehensive Green Campus, Environment, and Energy audits were conducted at The Gandhigram Rural Institute (Deemed to be University), Dindigul, Tamil Nadu. The audit process was expertly led by Dr. Nirmal Kannan, Er. A. Karthik, and Er. N.M. Pradeep Kumar, who assessed the university's environmental impact, energy usage, and sustainability practices. These audits aimed to identify opportunities for enhancing the campus's environmental performance, reducing energy consumption, and implementing more

sustainable practices, furthering the university's commitment to creating an eco-friendly and energy-efficient campus for the future.

Green and Energy audits were conducted on September 18th, 2024, at Sreekrishnapuram V T Bhattathiripad College, Palakkad, Kerala. The audit process was led by Dr. D. Vinoth Kumar, focusing on assessing the college's environmental

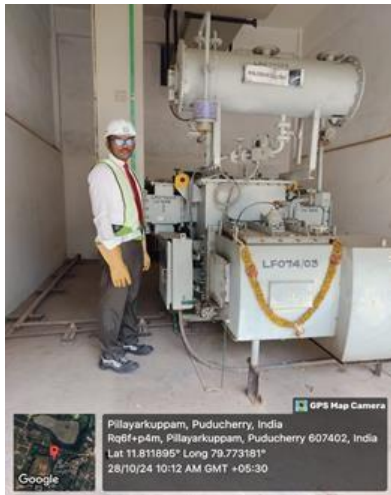
practices and energy consumption. The audits aimed to identify areas for improvement in energy efficiency, waste management, and sustainable campus operations, ensuring the college moves towards a greener, more energy-efficient future.



A series of extensive audits, including Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality, were



conducted on September 20th, 2024, at Stella Matutina College of Education, Chennai, Tamil Nadu. Dr. D. Vinoth Kumar and Dr. R. Mary Josephine led the entire audit process, thoroughly evaluating the college's sustainability practices across various domains.



On September 23rd, 2024, a series of thorough audits, including Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality, were conducted at Netaji Subhas University of Technology, Dwarka, New Delhi. The audit process was expertly led by Dr. D. Vinoth Kumar, Dr. Tanu Allen, and Ar. N.M. Pradeep Kumar, who assessed the university's environmental footprint, energy usage, and sustainability practices.

On October 9th, 2024, a series of extensive audits were carried out at Arjun College of Technology, Coimbatore, Tamil Nadu. These audits, which

focused on key areas such as Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality, were conducted to assess and improve the institution's sustainability practices. A distinguished team of experts, including Dr. D. Vinoth Kumar, Er. A. Karthik, Dr. N. Saranya, Ms. V. Sri Santhya, Ms. M. Nithya, Ms. E. Sivaranjani, Mr. Gokul, and Mr. C. M. Sharma, actively participated in the surveillance process, ensuring that each domain was thoroughly examined.

A series of thorough environmental audits were conducted On October 28th, 2024 at Mahatma Gandhi Medical College and Research Institute (Deemed to be University), Pillaiyarkuppam, Pondicherry, India. The audits covered key areas such as Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality, aimed at assessing and enhancing the institution's sustainability and eco-friendly practices. The audits were led by a team of expert assessors, including Dr. D. Vinoth Kumar, Er. A. Karthik, and Dr. V. Nirmal Kannan, who meticulously evaluated each domain to ensure that the institute meets the highest standards of environmental responsibility.

A comprehensive series of audits took place at Noorul Islam Centre for Higher Education on November 7th, 2024, covering critical aspects like sustainability, environmental impact, and hygiene. The involvement of experienced professionals such as Dr. M.R. Jeyaprakash, Dr. D. Vinoth Kumar, and Er. C. Ananth Kumar as lead auditors indicates the thoroughness of the audit process.

Green and Environmental Audit at Dr. NGP Institute of Technology, Coimbatore, Tamil Nadu, was successfully conducted on November 12th, 2024. Dr. D. Vinoth Kumar and Mr. Gokul represented the audit process, bringing their expertise in environmental management to



thoroughly assess the campus's green practices. The audit involved a detailed evaluation of various aspects of the institute's operations, including waste management, water conservation, energy efficiency, and overall sustainability efforts.



A similar series of audits were carried out at Shri Sathya Sai Medical College & Research Institute in Chengalpattu, Tamil Nadu, on November 13th, 2024, focusing on Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality. With experts like Dr. K. Suresh Babu, Dr. D. Vinoth Kumar, and Er. A. Karthik leading the audits, the process must have been thorough and insightful.

focusing on aspects such as Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality. With Dr. D. Vinoth Kumar and Er. A. Karthik overseeing the energy audit process, it must have been a focused effort, especially in terms of evaluating energy usage and sustainability.

On November 25th, 2024, another detailed series of audits



underwent a series of extensive environmental audits such as Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality. The audits were conducted by a team of expert auditors, including Dr. M.R. Jeyaprakash, Dr. D. Vinoth Kumar, and Er. C. Ananth Kumar, who guided the assessment process with a focus on ensuring the campus's operations align with sustainable practices and environmental standards.



were conducted at St. Joseph's Degree College for Women (Autonomous) in Kurnool, Andhra Pradesh. These audits focused on Green Campus, Environment, Energy, Hygiene, Waste Management, Soil &

On December 16th, 2024, Shri Guru Gobind Singhji Institute of Engineering and Technology, located in Nanded, Maharashtra, underwent a series

Environment Audit at TCP Limited, Karaikudi, Sivagangai, Tamil Nadu, took place on November 18th, 2024. The primary objective of the audit was to assess the company's environmental management practices, identify areas for improvement, and ensure compliance with environmental regulations. Dr. D. Vinoth Kumar and Er. A. Karthik led the audit process, bringing their extensive knowledge in environmental management and sustainability.



Water, and Air Quality, with experts such as Dr. D. Vinoth Kumar, Er. S.P. Sudheer Kumar, and Er. Praveen R Patel leading the process.

of comprehensive environmental audits including Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality. A team of expert auditors, including Er. Sudheer Kumar Petiti, Er. C. Anandha Kumar, and Dr. D. Vinoth Kumar, led the audit process.



A detailed series of audits were carried out at the Institute of Forest Genetics and Tree Breeding in Coimbatore, Tamil Nadu, on November 25th, 2024,

On December 10th, 2024, Sri Sairam College of Engineering in Bengaluru, Karnataka,



On December 18th, 2024, a series of extensive audits focusing on Green Campus, Environment, Energy, Hygiene, Waste Management, Soil & Water, and Air Quality were conducted at KIT-Kalaignar Karunanidhi Institute of Technology, Coimbatore, Tamil Nadu. The audit process was led by experts Dr. D. Vinoth Kumar, Er. A. Karthik, and Dr. B. Mythili Gnanamangai, who thoroughly evaluated the institution's sustainability practices. These

On December 20th, 2024, Green, Environment, and Energy audits were conducted at Sri Ramakrishna College of Arts and Science, Coimbatore, Tamil Nadu. The audits were led by experts Dr. D. Vinoth Kumar, Ms. M. Nithya, and Ms. E. Sivaranjani, who meticulously evaluated the college's sustainability practices. These audits focused on assessing the college's efforts in maintaining a green campus, reducing its environmental impact, and



audits aimed to assess the efficiency of the campus's energy usage, hygiene standards, waste management efforts, water conservation practices, and overall environmental impact, while also ensuring a healthy atmosphere for students and staff.

optimizing energy usage. Throughout the audit process, the experts engaged with the college staff and students, raising awareness of sustainable practices and involving them in the process of identifying improvements. The findings from these audits will provide the college with actionable

recommendations to further enhance its green initiatives, reduce environmental impact, and improve energy management practices, ensuring a sustainable and eco-conscious future for the institution.

On December 20th, 2024, Green, Environment, and Energy audits were conducted at the Botanical Survey of India, Coimbatore, Tamil Nadu. The audits were led by experts Dr. D.



Vinoth Kumar and Ms. M. Nithya, who carefully assessed the organization's environmental initiatives. The audits focused on evaluating the sustainability of the campus, the efficiency of energy usage, and the overall environmental impact of operations. Dr. D. Vinoth Kumar and Ms. M. Nithya ensured that the audits were comprehensive, providing valuable insights that will contribute to the organization's long-term environmental and energy goals. Their expertise will help the Botanical Survey of India continue to play a leading role in fostering sustainable practices within its operations, ultimately benefiting both the environment and the community.



## *Conclusion*

As we conclude this year's report, we take a moment to reflect on the significant milestones and impactful initiatives achieved throughout 2024. The Nature Science Foundation has remained steadfast in its mission to advance environmental sustainability, support scientific research, and champion nature conservation.

Our wide-ranging programs, workshops, and green audits have played a crucial role in educating and inspiring communities, encouraging both individuals and organizations to take active steps toward a healthier, more sustainable planet. The accomplishments we've made this year are a direct result of the passion and dedication of our team, partners, volunteers, and supporters.

From raising awareness through informative workshops to conducting essential green audits and evaluating our environmental impact, we've made meaningful progress in realizing our vision for a sustainable future. These actions have not only heightened awareness but also led to practical, effective solutions that are already making a positive difference in the world.

We are grateful to everyone who has contributed to this journey, and we are excited to continue making strides toward a greener tomorrow in the coming year.

**Contact us @**

**The Director**

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