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Save the Nature to Save the Future; Go Green to Save the Planet

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Editorial...

United Nations recognized the day, September 7, as "International Day of Clean Air for Blue Skies" and observed to promote and facilitate actions to improve air quality. The designation was made through the Assembly resolution and adopted at 52nd plenary session without a vote, which specifying all member countries recognized the importance of the subject matter. The objective of adoption of International Day is to create awareness on the importance of clean air for health, productivity, the economy and the environment. It is obvious to note that the link between air quality and environmental issues like climate change and so on. This year's theme, "The Air We Share" emphasizes on the boundless nature of air pollution, stressing the need for collective responsibility and strategic plans followed by immediate action to tackle air pollution. While implementation of mitigation policies, international and regional cooperation are required from the grass root level.

The news relayed a couple of days back alarming the present day scenario of the nation's capital, New Delhi. Even though, other Asian capitals have faced the pollution crises, Delhi ranked first as most air polluted capital city of the world. After an unexpected brief interval, the hindered economic activity and air pollution have attained the pre-pandemic situation in Delhi. Huge power plants and refineries, motor vehicles and burning of agricultural debris have been contributed equally to the particulate emission besides the lack of cleansing winds that causes air pollution to hang over the city. Experiences of Southeast Asian countries suggest that a predetermined and achievable goals are to be adopted to reduce air pollution by 2025 which will extend people's healthier lives by two to three years more.

To curtail the environmental pollution and health disaster, antipollution efforts are being strengthened; but to succeed, beyond politics the governments invest more, coordinate across the boundaries and motivate the individuals to do their best. Let us work for clean air for blue skies and for our healthier lives too...

-Editor

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World Nature Conservation Day

World Nature Conservation Day is celebrated every year on July 28 across the world to endorse the significance of natural resources conservation. The celebration is targeted to create awareness among the individuals about the importance of natural resources, impact of over exploitation and the need to conserve the existing resources. As on date, not only the developed countries, developing countries of the globe are experiencing critical challenges like extreme weather conditions, diminishing habitat for wildlife due to deforestation, environmental pollution in response to over exploitation and so on.

This year's theme for World Nature Conservation Day is "Living Sustainably in Harmony with Nature". With this year's record breaking rise in temperature, wildfires, floods and other calamities, people across the world are realizing the jeopardies of climate change induced by anthropogenic activities. In this context, it may be recalled that the recent meteorological reports where Tamil Nadu received about 50 to 94% excess rainfall during the southwest monsoon. Neighboring state capital, Bengaluru floated around a week due to unexpected heavy downpour.

The scenario of change in climate is not only occurred in certain specific parts of the country, almost major portion of the earth experienced this unfavorable

Yet another mile stone crossed by Nature Science Foundation, Coimbatore by conducting Green Campus, Energy, Hygiene and Environment audits at **Karunya Institute of Technology and Science, Deemed University, Coimbatore** has been awarded **A++ grade with 3.53/4.0 CGPA by NAAC Accreditation**. Dr. Mannar Jawahar, Vice Chancellor, Karunya Deemed University, Coimbatore



situation. Hence, this year's theme, "Living Sustainably in Harmony with Nature" related to viable use of natural resources and employing conservation practices by not observing destructive activities.

To mark the occasion, several events are organised at national and international level. In this connection, Nature Science Foundation, Coimbatore celebrated World Nature Conservation Day among the public domain at Race Course, Coimbatore by distributing more than 2000 herbal plant saplings as a token of conservation of nature against global warming. Recipients

delighted by knowing about medicinal values of distributed plants from NSF team members.

In continuation of World Nature Conservation Day activities and to commemorate the 75th Independence Day celebrations, NSF, Coimbatore in collaboration with Tamil Nadu Government Forest Department organized tree planting programme held at Sri Ramakrishna Institute of Technology, Coimbatore. Tree saplings and ornamental plant species were distributed at free of cost with the support of Forest Department and the event was organized by Dr. R. Mary Josephine.



Mile stones of NSF...

acknowledged the NSF's prompt reporting on this occasion. The certificates and the reports uploaded in the NAAC portal have been awarded 4/4 without any queries.

Nature Science Foundation, Coimbatore delighted to be a Green Campus, Energy and Environment auditing partner of **Kumaraguru College of Technology,**

Coimbatore where the Institute awarded **A++ grade with 3.62 out of 4.0 points by NAAC.**

NSF has conducted a knowledge sharing program on the significance of "Internet Identities" (IIDS) thro' Virtual Forum, Google meet on during August 2022. Dr. C. Chellaram, State-wise Lead Auditor served as Resource Person.

Golden Jubilee audit celebration of NSF

From the date of installation of Nature Science Foundation and as an integral part auditing the educational institutions for their physical facilities/policies is one among the prime functions. In this perspective, NSF functionaries achieved the mile stone of 50 by auditing the educational institutions located at Karnataka, Telangana, Kerala, Tamil Nadu, Maharashtra and Uttar Pradesh during period under report. As a token of appreciation to the staff members of NSF, Golden Jubilee Audit ceremony was held at Ratna Residency, Coimbatore on July 23.

Lead Auditors, promoters and well-wishers of NSF from in and around Coimbatore participated. Mr. Ramachandran, Retd. Manager, Pricol facilitated the function. Dr.S. Pavithra who shared her maid-in audit experience as a Lead Auditor among the gathering. Dr.R.Sudhakaran, Board of Directors, North Zone, NSF participated virtually and addressed the gathering.

Nature Science Foundation Quarterly Newsletter, Volume V, Issue 2 has been released during its Golden Jubilee Audit celebration. Electronic version of the Newsletter uploaded in NSF website and circulted among the auditees/educational institutions. During the event, the staff members have been honored for their cooperation and undue support.



Award of Doctoral Degree

Mrs.S. Rajalakshmi, Chair Person, Nature Science Foundation, Coimbatore has been bestowed with Honorary Doctorate by Universal Press Media Education Vidyapith for her exemplary contribution towards nature conservation, environment protection and tribal children education during their ceremonial convocation function on September 18, 2022 at Chennai. It is an additional diamond added to her crown which will guide her to serve more enthusiastically in coming years as well. Hereafter Mrs.S. Rajalakshmi will have new title, Doctor and she will be mentioned as Dr. (Mrs) S. Rajalakshmi. The entire team of Nature Science Foundation wishing her "All the very best in her future endeavors".



Tribal development program...

Up lifting the tribal societies in terms of education and their life style is one among the Vision and Mission of Nature Science Foundation and in continuation, NSF adapted two tribal villages (Maruthamallai and Maanar, Karamadai TK) within Coimbatore District, both located foothills of Western Ghats. As a part of Tribal Development Program, NSF members visited the Government Residential Tribal School at Mannar village where 17 tribal juveniles are learning. Team comprised of



Dr. S. Rajalakshmi, Chair Person, NSF, Dr. D. Vinoth Kumar, Joint Director, Ms.V. Sri Santhya, Assistant Director, NSF, Advisory Committee Member from Government sector and a Student coordinator from Nehru group of Institutions visited on July 29, 2022 and spent a day along with the students and teachers. Stationery items were distributed to the students and instructed to learn more and more to compete the growing environmental demands. At the end of the day, students assured that they will provide best service to the society, in future.

Certificates of Registration

As on date, Nature Science Foundation, Coimbatore has been accorded QMS (ISO 9001: 2014) and EMS (ISO 14001: 2015) certificates. During the period under report, Nature Science Foundation, Coimbatore applied for recent edition of the above.

At present NSF pleased to receive the ISO certificates related to Occupational Health & Safety Management Systems (ISO 45001: 2018) and Energy Management Systems (ISO 50000: 2018).



First International audit...

First International virtual mode audit on Plastic Free Campus was held with MAHSA University, Malaysia on September 19, 2022. Lead auditors, Dr. B. Anirudhan, Dr. B. Madhusudhana Reddy, A. R. N. M. Pradeep Kumar, Dr. S. Rajalakshmi, Dr. R. Mary Josephine, Dr. Sreekala K Nair and Dr. D. Vinoth Kumar performed the audit procedures in compliance with standard protocol.



Appointment...

Dr. Sreekala K Nair appointed as Director, R & D, Nature Science Foundation, Coimbatore. She had been served as Head of the Department of Biotechnology, AJK College of Arts and Science, Coimbatore.

Publication: Mythili Gnanamangai, B., Rajalakshmi, S., Sri Santhya, V., Dinesh Kumar, D. and Lingeshwaran, P.K. 2022. Implementation of environmental audit procedures for sustenance of ecofriendly campus. *International Journal of Scientific Research in Engineering and Management* Vol.6, Issue 9. Doi: 10.5541/IJSREM 16447.

Auditing activities of Nature Science Foundation

A detailed on-site audits conducted at various educational institutions by Nature Science Foundation during the period between July and September are briefed hereunder. In all the educational institutions, prior to audit, an opening meeting among the audit team and auditees was held wherein the purpose of auditing and procedures to be adopted during audit were deliberated. Similarly, at the end, exit meet was organized where Lead Auditors presented the recommendations and suggestions to be followed for further improvement of sustainable learning environment of the campus.

Comprehensive audits (Environment-, Energy-, Green Campus- Hygiene- and Waste Management- audits) were conducted at 18 decades ancient University of Madras, Chennai, Tamil Nadu on July 8, 2022. A team led by Dr. R. Mary Josephine (Dr. P. K. Dhanalakshmi, Dr. Amzad Basha Kolar and Ms. R. S. Thulaja) handled Green Campus Audit

campus while Dr. S. Rajalakshmi and Mrs. M. Priya gathered required information on hygiene practices. Dr. N. Mathivanan, Registrar in charge, Director & Head, UAS Botany and Dr R. Jaganathan, Professor & Head, Department of Geology, IQAC coordinator from University of Madras guided the NSF Auditors.

Green campus and Environment Audits were conducted at Government Science College, Chitradurga, Karnataka on July 08, 2022. A team led by Dr. Helen Roselin Thomas, Lead Auditor, NSF conducted the audits while Dr. D. Nagaraj, IQAC coordinator guided the NSF auditors.

A set of audits (Green campus, Energy and Environment audits) were performed at Rajalakshmi Engineering College, Chennai on July 9, 2022. Lead Auditor, Dr. R. Mary Josephine accompanied with her team members, Dr. D. Vinoth Kumar, Dr. M. Masilamani Selvam and



Ms. R. S. Thulaja were pursued the Green Campus audit protocol. Campus Environment audit was undertaken by Ms. V. Sri Santhya and Ms. M. Nithya, belonging from NSF. Energy audit was handled by Er. D. Dinesh Kumar Lead Auditor along with Ms. M. Priya and Ms. S. Kavimalar, NSF, Coimbatore, Dr. V. Prasannakumari, IQAC coordinator offered support to the NSF auditors.

Green campus, Environment and Energy audits were conducted simultaneously at Mahendra Arts and Science College, Tiruchengode, Namakkal District, Tamil Nadu on July 11, 2022. Dr. M. Jeyashree and Dr. J. Philip Robinson, both Lead Auditors were conducted the Green Campus audit while Environment audit was performed by Dr. D. Jagatheeswaran, Lead Auditor, NSF and Energy audit was handled by Dr. D. Vinoth Kumar, Joint Director, NSF, Coimbatore, Dr. T. Selvankumar, Department of Biotechnology & IQAC coordinator extended support to Nature Science Foundation Audit team.

Green campus, Environment and Energy audits were conducted at Sri Krishna Arts and Science



formalities. Lead auditors team including Er. Ashutosh Kumar Srivatsava, Dr. G.A. Asif Jamal, Dr. A. Thangavel, Mr. Naveen Kumar and Ms. M. Nithya was entrusted to complete procedures pertaining to Environment audit. On the other hand, Er. D. Dinesh Kumar, Er. P. Sanmuga Priyan, Dr. P. Thirumoorthy and Ms. S. Kavimalar conducted on-site energy audit. Dr. D. Vinoth Kumar and Ms. V. Sri Santhya supervised waste management practices at university





College, Coimbatore on July 12, 2022. After formal opening meet, Dr. R. Mary Josephine and Dr. D. Vinoth Kumar, Lead Auditors proceeded with Green Campus audit protocol. Dr. T. G. Shejo and Dr. V. Suresh entrusted to proceed with Environment audit while Dr. N. Balasubramaniam, Ms.V. Sri Santhya and Ms. S. Kavimalar were assigned to complete Energy audit formalities.

A set of audits, Green campus, Environment and Energy audits were conducted at Adithya Institute of Technology, Coimbatore on July 13, 2022. A team comprising Dr. V. S. Ramachandran and Ms.R .S. Thulaja, NSF Auditors

conducted Green Campus audit following standard protocol. Dr. M. Dhanalakshmi and Ms. M. Nithya subject experts carried out the Environment audit as per the checklist. Dr. P. Thirumoorthi and Ms.V. Sri Santhya were entrusted to complete Energy audit procedures. Dr. K. Mysamy, IQAC coordinator directed NSF audit team to perform verification at their facilities.

Green campus, Environment and Energy audits were performed at Sri Krishna College of Engineering and Technology, Coimbatore on July 13, 2022. A team comprising of Dr. N. Balasubramanian,

Dr. D. Vinoth Kumar, Dr. R. Raj Kumar, Dr. V. Suresh, Dr. T.G. Shejo, Ms. Kavimalar and Ms. Lakshmi Priya, NSF Auditors conducted the audits following standard protocol.

A comprehensive audit (including Green Campus, Environment and Energy audits) has been executed at St Joseph's College for Women, Tiruppur, Tamil Nadu on July 14, 2022. Dr.R. Mary Josephine, Principal, St Joseph's College for Women, Tiruppur coordinated and guided the audit team further for onsite visit. A team comprised of Dr.D. Rajasugugna-sekar, Dr.P.V. Sreenivasan, Dr. R. Raj Kumar and Ms.R.S. Thulaja conducted Green Campus audit procedures. Er. N. Boopathi, Er. Thirumalai Muthaiah, Ms. M. Nithya and Ms. V. Sri Santhya were entrusted to verify the physical facilities pertaining to Environment audit. Dr.C. Chellaram, Dr.D. Vinoth Kumar, Dr.S. Rajalakshmi and Ms.S. Kavimalar were validated the protocols related to Energy audit. Respective team members undertaken onsite observations and



had interaction with the in-charge staff.



Green campus, Environment and Energy audits were performed at V.S.B. College of Engineering and Technology, Coimbatore on July 15, 2022. A team of auditors, Dr.D.Vinoth Kumar, Dr.C.Chellaram Dr.K.S.Shreedharan,Dr.P.V.Sreenivasan NSF Auditors conducted the above audits following the standard protocol and checklist. Dr. D. Shamiasathish, IQAC



Dr. D. Vinoth Kumar organized the audit procedures in accordance with standard protocol/checklist while Dr. Alagu Raj, IQAC coordinator offered guidance to the audit team members.

On request by Thiyagarajar School of Management, Madurai, an on-site Green Campus audit was

Coordinator organized and guided for physical verification of facilities available within the campus.

A team of auditors, Dr. Jeyashree, Dr.A. Thangavel, Dr.C. Anandhakumar and Dr.D. Vinoth Kumar executed Green campus and Energy audits at Sri Krishna Adithya College of Arts and Science, Coimbatore on July 18, 2022.

A couple of audit parameters (Green Campus and Energy) were validated and on-site verification was executed at Ramakrishna Engineering College, Coimbatore on July 21, 2022. Dr.S. Kalaichelvi, Dr. P. V. Sreenivasan, Dr.C. Chellaram, Ar. N.M. Pradeep Kumar and Dr.D. Vinoth Kumar conducted the audit on behalf of Nature Science Foundation.



Dr.C. Anantha Kumar, IQAC coordinator extended support to the NSF audit team.

Wide-range of audits (Green Campus, Environment and Energy audits) were conducted by on behalf of Nature Science Foundation, Coimbatore at St. Xavier College, Palayamkottai on July 25, 2022. Dr.R. Mary Josephine, Dr.P.V. Sreenivasan, Dr.C. Chellaram, Dr.C. Anandhakumar and

performed on August 03, 2022. Dr.M. Rajesh and Dr. D. Vinoth Kumar were performed the audit protocols. Dr.M. Rajesh and Dr.P. Sashikala, IQAC coordinators extended their support for physical verification of their available facilities.

A couple of audit parameters (Green Campus, Environment and Energy audits) were validated at K.S.R Engineering College,



Tiruchengode on August 10, 2022. Dr. R. Mary Josephine, Dr. Sreekala K. Nair, Dr. P. Thirumoorthi, Dr.G. Mohan, Dr. D. Vinoth Kumar and Dr. E. Brindha represented Nature Science Foundation audit team.

On August 16, 2022, Nature Science Foundation audit team





conducted on-site audits (Green Campus, Environment and Energy audits) at Tamil Nadu National Law University, Tiruchirapalli. Dr. Alagappa Gandhi, Ar.M.N. Pradeep Kumar, Er. D. Dinesh Kumar and Dr. D. Vinoth Kumar executed the audit procedures. Dr.G.Nallakumarasamy, Professor, Automobile Engineering & IQAC coordinator offered directions to the NSF auditor for their functioning.

Both, Green Campus and Energy audits were conducted at Lords Institute of Engineering and



Technology, Hyderabad, Telengana on August 24, 2022. Dr. M. Ravichandran, Mr. Sudheer Kumar Peteti and Mr. Ariga Sarath Kumar Lead auditors, performed the on-site



audits in accordance with standard protocol.

Green Campus audit including Soil Water management facilities were examined as per audit protocol at T.K. Madhava Memorial College, Kerala. Dr.N. Dhanya, Dr.E. Brindha and Dr.D. Vinoth Kumar conducted the audit on August 30, 2022. Dr. Sheela, Assistant Professor, Department of Ecology & IQAC



coordinator guided the NSF auditors. Green Campus and Energy audits were conducted at CSSR and SRRM Degree & PG College, Andra Pradesh on September 01, 2022. Mr. Sudheer Kumar Peteti and Dr.D. Vinoth Kumar, Lead auditors representing Nature Science Foundation, Coimbatore performed the walk-thro' audits in accordance with standard procedures and checklist. Dr. Vinay, Assistant Professor, Department of English & IQAC coordinator extended support to the auditors. Green campus, Environment and Energy audits were performed at EASA College of Engineering and Technology, Tamil Nadu on September 21, 2022. Dr. P.V. Sreenivasan, Dr. Sreekala K. Nair and Ms. R. S. Thulaja were conducted the Green Campus audit while Environment audit was accomplished by Ms.V. Sri Santhya and Ms.M. Nithya and Energy audit was handled by Dr. D. Vinoth Kumar and Dr. C. Anandhakumar.

ISO Quality Manual

To achieve enhanced residents satisfaction and to have continuous improvement of the management system, apartment society decided to acquire system certificate complying with ISO standards. NSF has prepared a Quality Manual for Sree Vatsa Platinum Apartments which is first of its kind.