

Summary

Training Programme on the "Use of Artificial Intelligence and Machine Learning in Environment Audit and ESG" at iCED Jaipur

In line with the vision of Hon'ble C&AG of India in strengthening institutional capacity and enabling the integration of AI and ML into audit processes, IIT Madras and iCED signed an MoU on 24th February 2025 in New Delhi to promote collaboration in capacity building and research in environmental audit and ESG. Two batches this initiative were successfully organized at iCED last year.

The 1st batch for the year 2026-27 of the capacity-building programme on "Use of Artificial Intelligence and Machine Learning in Environment Audit and ESG" in collaboration with IIT Madras was conducted onsite at iCED, Jaipur from 20th to 24th April 2026 and a total of 36 participants participated in this training programme.



Group Photo during the inauguration of the training programme

The inaugural session of this training programme was graced by Dr. Abhishek Gupta, Director General (iCED). In his inaugural address, Dr. Gupta extended a warm welcome to all participants and faculty members from IIT-Madras.

He emphasized that Environmental auditing is evolving amid challenges like climate change and resource depletion, requiring auditors to adopt advanced methods and technologies such as AI and ML. These tools enhance decision-making and governance, while ESG integration strengthens audit effectiveness, transparency, and accountability in public resource management.



Dr. Ahishek Gupta, Director General, iCED), Ms. Meena Bisht, Director (T&R), iCED, Prof. Rajagopalan Srinivasan, IIT Madras and Shri Harish Khurana, Dy. Director during the inauguration of the training programme

During this five-day training programme, all faculty members from IIT Madras delivered sessions on various topics related to the use of Artificial Intelligence and Machine Learning in environmental audit and ESG.

Details of the instructors/faculties and the session/s delivered during this training programme are as follows:

Sl. No.	Name of Faculty	Topic
1.		Understanding AI/ML
2.	Prof. Rajagopalan Srinivasan, IIT Madras	Responsible and Explainable AI and Hands-on sessions using Rapid Miner
3.		Hands-on session on Advanced Text analytics & Applications
4.	Prof. Anuradda Ganesh, IIT Madras	Use of AI/ML in ESG and Personal Scope 3 Calculations
5.	Prof. Rohit Batra, IIT Madras	LLMs for Data Extraction; Regression and Classification Models
6.	Prof. Abhinav S. Raman, IIT Madras	LLMs and Gen-AI: Effective use and ethical considerations; The information retrieval problem and AI agents (Demo and Hands-on Session)
7.	Prof. Murali Jagannathan, IIT Madras	Case Studies in the Use of Natural Language Processing (NLP) for Sustainability Audit: Lessons from Construction Contract Management Applications and Hands on Anaconda
8.	Prof. Nikhil Bugalia, IIT Madras	Digital Technologies for Waste Management: A case of Construction and Demolition Reverse Supply
9.	Prof. Santosh Kumar Sahu, IIT Madras	Use of AI/ML in Statistical and Econometric Modelling

Comprehensive feedback on course designing, the time required, content, knowledge and its delivery by the resource persons and facilities available at iCED was also received from the participants through SAI Training Portal. The average feedback of the participants is 8.9 out of 10, which is very encouraging. Session on “LLMs for Data Extraction; Regression and Classification Models” was rated as the best one with 9.38 points out of 10.

The Training Programme concluded with a valedictory session, graced by Dr. Abhishek Gupta, Director General, iCED.



Dr. Abhishek Gupta, Director General, iCED), Ms. Meena Bisht, Director (T&R), and Shri Harish Khurana, Dy. Director (Admin) during the valediction of the training programme

Director General iCED stated that the sharing of experiences and perspectives during the training programme would effectively empower participants to continue advancing their learning journey. He conveyed his sincere thanks to all the participants and the faculty members for being a part of this initiative.