

CSIR-NEERI, Nagpur organized a Green Skill Training Program on “Artificial Intelligence and High-Performance Computing Training on Environmental Studies” during April 23-24, 2026 under CSIR-Integrated Skill Initiative activities. Dr. S. Venkata Mohan, Director, CSIR-NEERI addressed the participants related to understanding of large data, predictive modelling, AI & High Computing methodology. Shanti Swarup Bhatnagar (SSB) & National Geoscience Awardee Prof. Rishi Narain Singh, IIT, Gandhinagar (ex. Director, CSIR-NEERI, Nagpur; Scientist-in-Charge, CSIR-4PI, Bengaluru & Chief Scientist, CSIR-NGRI, Hyderabad) was the chief guest. He has delivered the invited talk on “Complexity in Environmental Systems”. Dr. Harshvardhan Singh, Scientist-G & In-charge, Skill Development Centre (SDC) briefed about Green Skill Development activities of CSIR-NEERI. Dr. Shashikant Sadistap, Scientist-G & Chair, EIDS and Course Coordinator briefed about course details. Dr. Rajesh Biniwale, Scientist-G & Chair, CEPE addressed the participants on latest tools of environmental monitoring. Participants from rural and urban areas of Uttarakhand, Maharashtra, Tamil Nadu, New Delhi, Bihar Madhya Pradesh, Gujarat, Telangana, Karnataka and Uttar Pradesh representing different organizations are taking part in the program which included technical presentations, demonstration on drone based embedded IOT systems for environmental monitoring and AI / Remote Sensing & GIS in climate change

Prof. Umesh Deshpande, VNIT, Nagpur; Dr. K.V.George, Scientist-G, CSIR-NEERI; Dr Asheesh Sharma, Scientist-F, CSIR-NEERI; Dr. Poonam Shivdutt Kumar, Scientist-E; CSIR-NEERI; Dr Debshree Khan, Scientist-D, CSIR-NEERI; Dr Piyush Kokate, Scientist-E, CSIR-NEERI; Dr Dinesh Lingote, Scientist-E, CSIR-NEERI; Prof. Mayuri Diggalwar, IIIT, Nagpur; Prof. Jitendra, IIIT, Nagpur; Dr Shalini Dhyani, Scientist-E, CSIR-NEERI and Dr Suvha Lama, Scientist-D, CSIR-NEERI delivered talks / interacted with participants on Fundamentals of AI and its opportunities in environmental applications; AI applications in air quality monitoring applications (urban and Industries); AI applications for Drinking Water Management; Introduction to Digital Twin System & Cyber security for Environmental monitoring applications; AI application in hazardous waste management; Drone based monitoring with IoT and AI for Air quality and solid waste management, Hardware and Networking facilities for AI-ML computation; High performance computing need for Environmental AI applications; Quantum computing, and processing algorithms useful for Environmental applications; Emerging technologies and tools for Biodiversity mapping and circular economy and Estimating Climate Change Vulnerability using AI tools.

During the valedictory session, Dr. S. Venkata Mohan, Prof. Rishi Naraian Singh, Dr. Shashikant Sadistap and Dr. Harshvardhan Singh interacted with participants. Certificates were distributed to the participants.



हरित कौशल कार्यक्रम “पर्यावरण अध्ययन पर कृत्रिम बुद्धिमत्ता और उच्च-प्रदर्शन कंप्यूटिंग प्रशिक्षण”, अप्रैल २३-२४, २०२६
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