



**CSIR-NEERI, Nehru Marg, Nagpur-440020**

**Skill Training Program on  
"Energy, Environment & Resources: Monitoring, Control and  
Management Options"**

*February 16-17, 2023*



**OBJECTIVES**

To impart the knowledge to the students, researchers, academicians etc. about:

- Advanced tools and approaches for emission monitoring, management and control, and carbon financing.
- Reducing environmental footprints of combustion sources from informal sector as well as from transport
- Management and mapping of resources using GIS, AI and ML tools.
- Functionally designed Materials for Green Energy Harvesting

**COURSE CONTENTS**

- Advanced emission monitoring tools based on Drone, Sensors and AI Tools
- Emission monitoring and control from informal sectors including Cookstoves, Incinerator and Tandoor
- Transport emissions and management including emission control from in-use vehicles
- Energy Management and carbon financing (informal sectors)
- Introduction to GIS and its applications in resource mapping and management
- Resource mapping and utilization (including landfill mapping and waste management)
- Waste utilization and encapsulation
- AI and ML based Environmental Applications
- Functionally designed Materials for Green Energy Harvesting
- **Demo**
  - Mapping of trees & forest
  - Case study on low-cost sensor applications in smart cities of India

**VENUE:** CSIR-NEERI, Nagpur

**MODE OF TRAINING:** Classroom lectures/demonstration/interaction. The lecture material shall be provided to the participants after the completion of the program.

**REGISTRATION**

- Registration Fee for Sponsored/Employed/Self Payment candidates, etc.: **Rs. 5,000/- + 18% GST**
- Registration Fee for Students: **Rs. 2,000/- + 18% GST**
- **Fee will be paid online through SBI Collect link as mentioned below:**  
<https://www.onlinesbi.com/sbicollect/icollecthome.htm>
- Instructions for remittance of fee through State Bank Collect:  
**State of Corporate / Institution:** "MAHARASHTRA"  
**Type of Corporate / Institution:** "GOVT. DEPARTMENT"  
**GOVT Department Name:** "NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE"
- **Payment Category:** "WEBINAR / TRAINING PROGRAM REGISTRATION FEE"
- Attached enrollment form & SBI collect receipt is to be sent on email id: **hv\_singh@neeri.res.in**
- Registrations will be confirmed on first-come first-serve basis since there are 20 seats only
- Accommodation at CSIR-NEERI Guest House can be arranged on payment basis, if available
- Last date of Registration: **January 16, 2023**

**CERTIFICATE OF PARTICIPATION:** Certificate of Participation will be issued on successful completion.

<b>DIRECTOR</b>	<b>PROGRAM CO-ORDINATOR</b>	<b>COURSE CO-ORDINATOR</b>
<b>Dr. Atul N. Vaidya</b> Director CSIR-NEERI	<b>Dr. Harshvardhan Singh</b> Senior Principal Scientist & Head, Training & Skill Development Division (TSDD) <b>Email:</b> <a href="mailto:hv_singh@neeri.res.in">hv_singh@neeri.res.in</a> <b>Ph. :</b> 0712-2249885 Ext. 344 / 645	<b>Dr. Nitin Labhasetwar</b> Chief Scientist & Head, ERMD