



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.

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



**COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH (CSIR)
INTEGRATED SKILL INITIATIVE (PHASE-II) (2020-25)
TRAINEE ENROLLMENT FORM**



CSIR-NEERI (National Environmental Engineering Research Institute) Nehru Marg, Nagpur- 440020	
TITLE OF SKILL DEVELOPMENT PROGRAM	Energy, Environment & Resources: Monitoring, Control and Management Options
DATE(S), TIME AND VENUE	February 16-17, 2023 and CSIR-NEERI, Nagpur
FULL NAME OF TRAINEE	
FATHER'S / HUSBAND'S NAME	
DATE OF BIRTH (DD/MM/YYYY)	
GENDER (MALE / FEMALE / OTHERS)	
CATEGORY (SC / ST / OBC / EWS / GENERAL)	
PHYSICALLY DISABLED (YES / NO)	
CURRENT STATUS (working/ entrepreneur/ student/ unemployed/ school dropout)	
QUALIFICATIONS	
PHOTO ID NUMBER (Aadhar/ PAN/ Voter ID/ Passport)	(Attach Copy of Photo Id)
MOBILE NUMBER	
EMAIL	
ADDRESS (Mention name of District, State & Pin code)	
TRAINEE'S DOMICILE (RURAL / URBAN)	
FEE PAYMENT DETAILS (IF APPLICABLE)	
SIGNATURE OF APPLICANT	SIGNATURE OF NODAL PI
DATE	DATE