TRAINING PROGRAMME ON
SMART and Affordable systems for Environmental Quality Monitoring
WHY THE TRAINING PROGRAMME?
Globally, one of the functions of regulatory authorities on environmental management is to formulate plans for prevention, control and abatement of environmental pollution. To ensure environmental management system implementation, it is imperative to have comprehensive database that indicates environmental quality status. And collection of such database requires a good monitoring network comprising well established infrastructure, comprehensive protocol of monitoring and skilled manpower to oversee and ensure the reliability of data. Such monitoring network is cost prohibitive, time extensive and has limitations in terms of functions of the organization. Thus, it is the need of the hour to streamline the process by the use of latest reliable technologies available like sensor based and portable instruments.

ABOUT THE TRAINING PROGRAMME
This training programme is designed with the aim to strengthen the monitoring system by building the capacity of the environmental officials in the field of air and water quality monitoring, at a global level.

EXPECTED OUTCOME
With this training programme, participants should be able to understand:
• the policies pertaining monitoring;
• the concept of Smart monitoring;
• the certification and calibration requirements of portable sensor based instruments;
• the concept of citizen monitoring

WHO SHOULD PARTICIPATE?
• Regulators from Global South,
• Consultants,
• Laboratory scientists and
• Academicians

PROGRAMME SCHEDULE OVERVIEW

**DAY 1**
• Policies pertaining to monitoring – Global Scenario
• Concept of Smart monitoring

**DAY 2**
• Certification and calibration aspects of portable monitoring instruments
• Citizen monitoring
• Demonstrations by manufacturers and entrepreneurs for water quality monitoring

**DAY 3**
• Technological advances and trends in environmental quality monitoring
• Demonstrations by manufacturers and entrepreneurs for Air quality Monitoring
**DAY 4**
- Field visit for hands-on experience

**DAY 5**
- Views from manufacturers and entrepreneurs
- Discussing the way forward

### ASSOCIATED FACULTY

**CHANDRA BHUSHAN**
Deputy Director General
heads the Industry and Environment programme at Centre for Science and Environment.

**DR. D. D. BASU**
is serving as an advisor for training at Centre for Science and Environment.

**DR. J. S. KAMYOTRA**
former Member Secretary of Central Pollution Control Board.

**SANJEEV KANCHAN**
Programme Manager
leads the Green Rating Project team at Centre for Science and Environment.

**NIVIT KUMAR YADAV**
Senior Programme Manager
leads the Compliance and monitoring team at Centre for Science and Environment

**VASANTHI LAWRANCE**
is a Chief Water Analyst at Tamil Nadu Water Supply and Drainage.

**DIGVIJAY SINGH BISHT**
Programme Officer
at Centre for Science and Environment, working in different aspects of monitoring and global research.

**RONAK SUTARIA**
the Founder of Mumbai-based UrbanSciences, which works in the field of building Real-time Low-powered Environmental Monitoring Devices.

Experts from manufacturers and entrepreneurs shall demonstrate and explain the mechanism of instruments during the training programme.
### COURSE DETAILS

<table>
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<th><strong>COURSE DURATION:</strong></th>
<th>September 24th-28th, 2018</th>
<th><strong>LAST DATE FOR APPLYING:</strong></th>
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| **COURSE VENUE:** | Anil Agarwal Environmental Training Institute (AAETI), Nimli, Rajasthan |

| **COURSE FEES:** | Rs 25,000/- per participant (double sharing basis)  
|                 | Rs 35,000/- per participant (Single Occupancy accommodation)  
|                 | (Includes training material, boarding and lodging on, travel from New Delhi to AAETI and back) |

### REGISTRATION DETAILS

- Course Fees are non-refundable. However, nomination is transferable.
- Prior registration with payment is required.
- Participant to confirm by making the payment well in advance.

### CENTRE FOR SCIENCE AND ENVIRONMENT — BANK ACCOUNT DETAILS

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<th><strong>Beneficiary</strong></th>
<th>Centre for Science and Environment</th>
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<td>41, Tughlakabad Institutional Area, New Delhi - 110062, INDIA</td>
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<td><strong>Bank Branch Address</strong></td>
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**Note:** Once the payment is transferred, kindly send us the UTR Reference / transaction details for our records.

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**FOR REGISTRATION AND TECHNICAL DETAILS, CONTACT**

**DR. HETAL MODI, Senior Research Associate,**  
Centre for Science and Environment, 41, Tughlakabad Institutional Area, New Delhi-1100 62  
Phone: 011-29955124, 299956394 • Ext no: 251 • Email: hetal.mandalaywala@cseindia.org • Mobile: 8860062334