



CENTRE FOR SCIENCE AND ENVIRONMENT,



**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



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



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



**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

<b>COURSE DURATION:</b> September 24th-28th , 2018	<b>LAST DATE FOR APPLYING:</b> September 10th, 2018
<b>COURSE VENUE:</b> Anil Agarwal Environmental Training Institute (AAETI), Nimli, Rajasthan	
<b>COURSE FEES:</b> 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

Beneficiary	Centre for Science and Environment
Beneficiary address	41, Tughlakabad Institutional Area, New Delhi - 110062, INDIA
Bank Name	Standard Chartered Bank
Beneficiary Bank Branch Name	Bahadurshah Zafar Marg
Bank Branch Address	1st Floor, Express Building, 9-10, Bahadurshah Zafar Marg, New Delhi - 110002
Beneficiary Account Number	52011027319 (Savings Account)
MICR No.	110036020
IFSC Code	SCBL0036086

**Note:** Once the payment is transferred, kindly send us the UTR Reference / transaction details for our records.



### FOR REGISTRATION AND TECHNICAL DETAILS, CONTACT

**DR. HETAL MODI**, Senior Research Associate,

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