**CSE**

**AAETI**

Source apportionment
Monitoring
Integrated emission inventory
Source assessment
Air quality index
Air quality data
Air quality forecasting
Data analytics
Regulatory framework
Source identification and assessment

POOR
> 200
MODERATE
50-200
BEST
0-50
AQI
AIR QUALITY

## ONLINE TRAINING COURSE

# New approaches to air quality data analytics and pollution source assessment for better air quality management

**Course dates: November 12-25, 2021**

**Course fee: Rs 3,500 for Indian participants
US $100 for International participants**

Air quality monitoring, data generation and analytics is a critical step towards air quality management in cities. Air quality data analytics and pollution source assessment complemented by public health linkages provide crucial evidence in understanding and identifying key air pollution sources, their contribution, hotspot area identification and assessment and formulating source-specific intervention strategies for air pollution mitigation. New approaches and techniques such as advance instruments and satellite-based air quality monitoring, advance source apportionment and integrated emission inventory are emerging globally. Therefore air quality data and analytics understanding,

knowledge and skills is imperative to assess source contribution and designing mitigation strategies. This online training course represents our initiative to promote good regulatory practices, enhance knowledge and build capacity on understanding air quality monitoring data analytics and pollution source assessment and deepen understanding within the larger context of air pollution mitigation. This fortnight long course is designed for the regulators, practitioners, professionals, academics etc to understand and build knowledge and insights into the imperative of air quality data and analytics and its linkages to strategies and interventions within the air quality management perspective.

## COURSE STRUCTURE

This online training course will be conducted on the Moodle and Zoom platform through a variety of tools such as recorded video lectures, classroom exercises, reading materials and resources, audio/visual methods including short films and interviews, and interactions with key experts. The programme will cover the following:

**Module 1** Understanding air quality data for better air quality management
**Module 2** Air quality monitoring
**Module 3** Understanding air quality index
**Module 4** Air quality data analytics
**Module 5** New air quality monitoring approaches
**Module 6** Air quality forecasting
**Module 7** Air pollution source assessment
**Module 8** Understanding source apportionment and integrated emission inventory
**Module 9** Source identification and assessment
**Module 10** Regulatory framework for air quality management

## WHO CAN APPLY

- Government officials from departments involved with air quality monitoring and management
- Professionals and practitioners helping with strategy development in cities
- NGOs and civil society groups involved in air pollution sensitisation, outreach and communications
- Academicians and researchers
- Students aiming to enrich curriculum and shaping careers in this sector
- Media persons writing on air pollution issue

**Participants will be awarded a certificate of participation on completion of the course**

## FOR MORE INFORMATION, PLEASE CONTACT

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