**ONLINE TRAINING**

# TRANSPORT SECTOR EMISSIONS: ASSESSMENT AND MITIGATION

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

**COURSE DATES**
**29 SEPT - 12 OCT, 2021**

Under the national clean air programme 122 cities are implementing clean air action plans to meet the target of reducing particulate pollution by 20-30 per cent by 2024. Transport sector emissions mitigation pose a special challenge as this requires a complex set of solutions. This includes technology roadmap for new vehicles, on-road emissions management strategies, phase out of old vehicles and zero emissions electric vehicle programme to reduce tailpipe emissions. At the same time transportation and urban planning strategies are needed to reduce travel distances and promote sustainable transport options, vehicle restraint measures and compact city development. But designing of these strategies are often not well understood. As cities have begun to report progress against targets and plan implementation, it has become necessary to build knowledge and skills regarding each of these strategies for vehicular pollution control.

This fortnight long course is therefore designed for the regulators, practitioners, professionals, and academic to build insights into planning and implementation of such multi-pronged strategies. The modules are specially designed to convey the interconnectedness of strategies needed to control vehicular pollution. This encompasses emissions standard roadmaps, on-road emissions management, real world emissions control, sustainable transport modes (public transport, walking and cycling), multimodal integration, parking policy and urban planning to reduce the vehicle miles travelled. Strategies need to be designed and developed for scale and effective impact for time-bound air quality improvement. There is need for greater clarity and understanding of indicators that are needed to track progress in action. It is important to build capacity and a new cadre of professionals, promote good regulatory practices, enhance understanding, and build capacity for implementation and designing of strategies to reduce vehicular emissions.

## 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 urban air pollution, public health and special challenge posed by the vehicle sector

**MODULE 2** How vehicle technology roadmaps has evolved to reduce emissions from vehicles. What more is needed to control real world emissions.

**MODULE 3** Strategies for on-road emissions management – current and new generation strategies for inspection and maintenance of vehicles and on-road emissions monitoring

**MODULE 4** How electric vehicle programme can help

**MODULE 5** Public transport strategies to reduce emissions with special focus on bus transport reforms

**MODULE 6** Non-motorised transport strategies for zero-emissions mobility

**MODULE 7** Urban planning, transport integration and compact urban form

**MODULE 8** Restraint measures to reduce vehicle miles travelled – designing parking policy as a demand management measure and understanding global practices like congestion charging, low emissions zones etc

## Who can apply?

- Government officials from different departments involved with transport sector policies and strategies
- Professionals and practitioners helping with strategy development in cities
- Academicians and researchers
- Students aiming to enrich curriculum and shaping careers in this sector

## Course fee

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

**For more information, please contact**
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