

ITEC COURSE

1. Administrative details

Course Title	Urban Mobility			
Stream	Management			
ITEC Coordinator/ Course Director	Prof. Jitesh J. Thakkar (Course Director) Dr. Hari Krishna Gaddam (Course Coordinator)			
Course Duration:	from	30-12-2024	to	05-01-2025 ; 7 Days
No. of days of training	6 days			
Accommodation	Type: Guest House	Distance from Campus: 50 mtr		within campus: 50 mtr
	Guest House at University Campus - Lalbaug, Vadodara (Gujarat) - 390004			
Airport (nearest)	Location:	Vadodara	Distance from campus/ accommodation	10 kms
Batch Size	50			
Study tour	Type of visit	Places to visit (with location)		No. of days
	Educational	Industry visit in Vadodara/ High-speed Rail at Ahmedabad		01
	Cultural/ Heritage	Statute of Unity		01

3. Training Schedule: A simple thematic/ day-wise schedule (topics covered) may be attached.

Urban Mobility

About the Program:

Urban mobility refers to the movement of people and goods within a city or metropolitan area. It encompasses all the ways people get around, including: Public transportation (Buses, trains, subways, trams, ferries, etc.), Private vehicles: Cars, motorcycles, bicycles, etc., Active transportation (Walking, cycling), Micromobility (E-scooters, e-bikes). The goal of urban mobility is to ensure that people can access jobs, education, healthcare, and other essential services in a safe, efficient, affordable, and sustainable way. Urban mobility focuses on Efficiency (Minimizing travel times and congestion to keep cities functioning smoothly); Accessibility (Ensuring everyone has access to reliable and affordable transportation options, regardless of age, income, or ability); Sustainability (Reducing reliance on private vehicles and promoting cleaner transportation modes to minimize environmental impact); Safety (Creating safe environments for pedestrians, cyclists, and other users); Land Use (Urban planning that promotes walkable and mixed-use neighborhoods, reducing dependence on cars). Urban mobility is a complex issue facing cities around the world. As populations grow and cities become more congested, finding innovative solutions for urban mobility is crucial.

Cities around the world depend on smooth urban mobility. It's the lifeblood of their economy, allowing people and goods to move efficiently, boosting productivity and attracting investment. But it also plays a big role in the environment. By reducing car dependence, urban mobility can significantly cut emissions and create a more sustainable future. The social benefits are vast too. Easy access to jobs, education, and healthcare improves public health, promotes social equity, and makes cities more livable for everyone.

This program equips executives with the knowledge and skills to lead the development and implementation of innovative urban mobility solutions.

Target Audience:

- Urban planners and policymakers
- Public transportation officials
- Private sector transportation leaders (e.g., micromobility companies)

- Technology and sustainability professionals
- Investors and developers interested in urban mobility solutions

Learning Objectives:

- Develop and implement comprehensive urban mobility strategies
- Lead and manage urban mobility projects
- Evaluate and integrate new technologies into existing transportation systems
- Partner with stakeholders and collaborate on policy development
- Promote sustainable and equitable transportation solutions for a better urban future

Delivery Method:

- Include interactive workshops, case study analysis, and group discussions throughout the program.
- Invite guest speakers from industry leaders, government agencies, and research institutions.
- Provide participants with course materials and post-program resources for continued learning.

Program Structure:

Date	Day	Session 1 10:30 – 11:45	Session 2 12:00 – 13:15	Session 3 14:30 – 15:45	Session 4 16:00 – 17:15
30-12-2024	Monday	Key challenges in urban mobility: Traffic congestion, air pollution, accessibility, and safety, Socioeconomic issues	Evolving urban mobility landscape: Megacities, changing travel patterns, and new technologies	Planning and integrating different modes of transport: Buses, trains, cycling, micromobility, and first/last-mile solutions	Case studies: Exploring successful and challenging urban mobility scenarios from around the globe
31-12-2024	Tuesday	Optimizing public transit systems for efficiency, accessibility, and user experience	Public-private partnerships and innovative financing models for urban mobility projects	Demand management strategies: Congestion pricing, carpooling incentives, and parking regulations	Citizen engagement and behavioral change strategies for promoting sustainable travel choices
01-01-2025	Wednesday	Smart city technologies and their impact on urban mobility: Data-driven management, real-time information, and connected infrastructure	Promoting active transportation: Infrastructure for walking, cycling, and micromobility	Emerging technologies shaping urban mobility: Autonomous vehicles, Connected and automated vehicles (CAVs), electric vehicles, and shared mobility platforms	Legal and regulatory frameworks for governing new mobility models and technologies
02-01-2025	Thursday	Land-use policies and urban planning for promoting sustainable mobility choices	Sustainability for Urban Mobility: Promoting equity and inclusion in transportation (Ensuring access for all citizens, regardless of income or ability)	Public-private partnerships and collaboration for policy development and implementation	Financial modelling and cost-benefit analysis for urban mobility projects
03-01-2025	Friday	Performance measurement and monitoring frameworks for urban mobility systems	Future of urban mobility: Shared micromobility, micromodal hubs, and on-demand services.	Case Studies on implementation of best practices in Urban Mobility and Challenges faced	Panel Discussion: Discussing real-world challenges and opportunities in participant's cities. Developing action plans for implementation
04-01-2025	Saturday	Industry Visit			
05-01-2025	Sunday	Cultural/ Heritage Visit			

Classroom Venue:
Session Break Timings:
10:15 – 10:30 (Tea/Coffee Break)
13:15 – 14:30 (Lunch)
15:45 – 16:00 (Tea/Coffee Break)