



Ministry of External Affairs
DPA II Division
ITEC COURSE PROPOSAL SUMMARY

गति शक्ति विश्वविद्यालय
GATI SHAKTI VISHWAVIDYALAYA
(A Central University under the Ministry of Railways, Government of India)
लालबाग, वडोदरा, गुजरात / Lalbaug, Vadodara, Gujarat 390004

1. Administrative details

Course Title	Urban Mobility		
Stream	Management		
ITEC Coordinator/ Course Director	Prof. Pradeep Kumar Garg (Course Director) (Email: dean.ece@gsv.ac.in, M: 8108148805) Dr. Kuldeep Singh (Course Coordinator) (Email: kuldeep@gsv.ac.in, M: 9650706700)		
Course Duration:	from 24/11/2025 to 28/11/2025 ; 5 Days		
No. of days of training	5 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	Minimum participation = 30		Maximum participation = 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	Vadodara Palace	01

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
24-11-2025	Tuesday Structured Lectures/ Case Based Inputs	9:00 AM - 9:30 AM Registration of Participants 9:30 AM - 10:15 AM Inauguration & Group Photo 10:30 Am - 11.45 Planning and integrating different modes of transport: Buses, trains, cycling, micromobility, and first/last-mile solutions	Demand management strategies: Congestion pricing, carpooling incentives, and parking regulations	Case studies: Exploring successful and challenging urban mobility scenarios from around the globe	Sustainability for Urban Mobility: Promoting equity and inclusion in transportation (Ensuring access for all citizens, regardless of income or ability)
25-11-2025	Wednesday Structured Lectures/ Case Based Inputs	Optimizing public transit systems for efficiency, accessibility, and user experience	Expert Talk: Urban Mobility	Key challenges in urban mobility: Traffic congestion, air pollution, accessibility, and safety, Socioeconomic issues	Future of urban mobility: Shared micromobility, micromodal hubs, and on-demand services.
26-11-2025	Thursday	Industrial/Cultural Visit			
27-11-2025	Friday Structured Lectures/ Case Based Inputs	Citizen engagement and behavioral change strategies for promoting sustainable travel choices	Land-use policies and urban planning for promoting sustainable mobility choices	Smart city technologies and their impact on urban mobility: Data-driven management, real-time information, and connected infrastructure	Financial modelling and cost-benefit analysis for urban mobility projects
28-11-2025	Saturday Structured Lectures/ Case Based Inputs	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	Promoting active transportation: Infrastructure for walking, cycling, and micromobility	Panel Discussion: Discussing real-world challenges and opportunities in participant's cities. Developing action plans for implementation

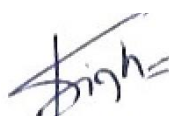
Classroom Venue:**Session Break Timings:**

10:15 – 10:30 (Tea/Coffee Break)

13:15 – 14:30 (Lunch)

15:45 – 16:00 (Tea/Coffee Break)

डॉ. कुलदीप सिंह/Dr. Kuldeep Singh
सहायक प्राध्यापक / Assistant Professor
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Submitted by:

(sign and stamp of appropriate authority of the Institution)