

**Ministry of External Affairs
DPA II Division**

ITEC COURSE PROPOSAL SUMMARY

1. Administrative details

Course Title	Multimodal Logistics		
Stream	Management		
ITEC Coordinator/ Course Director	Prof. Edwin Raj (Course Director) Dr. Gaurav Khare (Course Coordinator)		
Course Duration:	from	12/1/2026	to 16/1/2026 ; 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/near Vadodara	01

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

Multimodal Logistics

About the Program:

Government of India has taken initiatives such as PM Gati Shakti National Master Plan (NMP) which aims to improve infrastructure connectivity across India. Multimodal logistics refers to the movement of goods using at least two different modes of transportation under a single contract. This means the planning, execution, and responsibility for the entire journey falls on one entity, even though multiple transportation methods are involved. The key attributes of multimodal logistics include: a) Multiple Modes (any combination of road (trucks), rail, water (ships, barges), and air freight). The choice depends on factors like distance, urgency, cost, and cargo type; b) Single Contract (involves a single contract with a single party responsible for the entire journey); c) Streamlined Operations (Multimodal logistics providers handle all aspects, including documentation, customs clearance, and cargo transfer between modes).

Multimodal logistics offers several advantages such as efficiency, convenience and flexibility. The challenges involved in multimodal logistics include complexity of operations in coordinating multiple modes, documentation and custom clearances and need for well-developed infrastructure for seamless transfer between modes. Multimodal logistics plays a crucial role in modern supply chains, especially in a country like India with its vast geographical spread. By leveraging this approach, India can improve trade efficiency, reduce costs, and unlock its economic potential. Multimodal logistics cuts costs and boosts trade by choosing the best transport mode for each journey. A strong multimodal network improves connectivity, trade, and reduces traffic congestion. Efficient multimodal transportation allows Indian businesses to compete more effectively in the global market. Faster deliveries and lower logistics costs make Indian exports more attractive. A robust multimodal network improves connectivity between different regions within India, facilitating trade and economic activity. This can attract investments and stimulate overall economic growth. By shifting some freight from roads to waterways and railways, multimodal logistics can help reduce traffic congestion and air pollution in Indian cities.

This program provides a comprehensive understanding of multimodal logistics in the Indian context. It covers various transportation modes, documentation, regulations, and best practices.

Target Audience:

- Logistics professionals
- Supply chain managers
- Freight forwarders
- Exporters & Importers
- Anyone seeking competence building in multimodal logistics

Learning Objectives:

- Design and manage efficient multimodal logistics operations in India
- Select the right transportation modes and routes for their specific needs
- Navigate the regulatory framework and complete necessary documentation
- Leverage technology to optimize their supply chains
- Stay informed about the latest trends and challenges in the Indian multimodal logistics sector

Delivery Method:

- Include practical exercises, case studies, and group discussions throughout the program.
- Invite guest speakers from industry and government to share real-world experiences.
- Offer a facility tour to a multimodal transport hub or terminal (if possible).
- Provide participants with course materials and post-program resources.

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
12/1	Monday	Opportunities and Challenges for multimodal logistics in India	Government initiatives for promoting multimodal logistics (PM GatiShakti)	Role of Road and Rail transport for Multimodality in India and Impact on environment	Optimization strategies for efficient route planning
13/1	Tuesday	Understanding Incoterms (2020) for multimodal contracts	Documents required for multimodal shipments (Bills of Lading, Airway Bills, etc.)	Costing techniques for multimodal transportation	Role of freight forwarders in documentation
14/1	Wednesday	Industry Visit			
15/1	Thursday	Containerization and cargo insurance in multimodal transport	Risk management strategies for multimodal logistics	Role of Information Technology (IT) in multimodal logistics	Use of technology tools for route planning and cost calculation
16/1	Friday	Selection of a multimodal route with factors - Lead time, Cost, Reliability	Case studies of successful technology implementation	Regulatory bodies and their role	Interactive session: Discussion on challenges and opportunities in Indian multimodal logistics

Session Break Timings:

10:15 – 10:30 (Tea/Coffee Break)	13:15 – 14:30 (Lunch)	15:45 – 16:00 (Tea/Coffee Break)
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Submitted By:

(Sign and Stamp of Appropriate Authority of the Institute)


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