ABOUT THE COURSE:

COURSE NAME:	OPERATIONAL LOGISTICS
TOTAL DURATION:	45 Hrs
MODE OF DELIVERY	PHYSICAL CLASSROOM TRAINING AT
	RESPECTIVE COLLEGES
TRAINER TO	1:50
STUDENT RATIO:	
TOTAL MARKS:	75

	TABLE 1
OVERALL COURSE	 Explore logistics management principles
OBJECTIVE:	and practices, integrating knowledge
	from diverse job roles
	 Cultivate the ability to analyze
	operational data effectively, utilizing insights to make informed decisions and
	drive continuous improvement
	 Master inventory control techniques and
	methodologies to optimize inventory
	levels
	 Learn strategic supply chain planning
	and optimization techniques to improve
	overall efficiency
	 Develop strong communication and
	collaboration skills to facilitate coordination among various
	coordination among various stakeholders
LEARNING OUTCOME:	At the end of the course, the learners can
	able to
	 Evaluate logistical challenges and
	propose solutions to ensure timely
	 delivery and cost-effective operations. Interpret key performance indicators
	(KPIs) and metrics to assess the
	effectiveness of operational logistics
	processes.
	 Implement inventory control strategies
	and methodologies to minimize
	stockouts, excess inventory, and
	carrying costs.Analyze supply chain networks and

 distribution channels to identify opportunities for optimization and cost reduction. Evaluate facility layout, equipment utilization, and staffing requirements to optimize distribution center
performance and productivity.

ТА	BLE 2: MODULE	WISE COURSE	CONTENT AND OU	ТСОМЕ
SL.N O	MODULE NAME	MODULE CONTENT	MODULE LEARNING OUTCOME	DURATIO N (HRS)
1	Role of Logistics operations and system concept	of Logistics Systems -	role of logistics operations and system concepts, focusing on efficient resource management, optimization, and strategic implementation within supply chain networks.	5

		Operations.		
2	Inventory and Warehousing operations	BasicsofInventoryManagementInventoryTypesandClassificationInventoryCostsandValuationInventoryControlTechniquesPesignandoperationsWarehouseDesignandoperationsWarehouseSafetySafetyMaterialHandlingEquipmentTechnologyIntegrationinWarehousing.	Analyse the intricacies of inventory management and warehouse operations, gaining skills to optimize storage, streamline processes, and enhance logistical efficiency within supply chains	5
3	Freight and Transportatio n operations	Overview of Freight and Transportation - Modes of Transportation (Air, Sea, Road, Rail) – Basics of Freight Forwarding and Brokering - Basics of Transportation Management Systems (TMS) - Routing and Scheduling in Transportation	intricacies of freight and transportation operations, mastering strategies for efficient, cost- effective, and timely movement of goods across	5

4	Information Technology in Logistics operations	- Intermodal Transportation - Last-Mile Delivery Strategies - Regulatory Compliance in Transportation Role of IT in Supply Chain Management - Basics of Logistics Information Systems (LIS) - Basics of Warehouse Management Systems (WMS) - Basics of Transportation Management Systems (TMS) - Inventory Management Systems (TMS) - Inventory Management Software - Supply Chain Visibility and Tracking Technologies - Emerging Technologies in Logistics	Identifying information technology's pivotal role in logistics operations, focusing on its application to streamline processes, enhance visibility, and optimize supply chain performance	5
5	Export and Import and INCOTERMS	Introduction to Export and Import in Supply Chain - Global Trade and International Supply Chains - Export Procedures and Documentation	Perform export, import procedures, and INCOTERMS, enabling effective navigation of international trade regulations and logistics practices	5

	- Import	
	Procedures	
	and	
	Documentation	
	- Role of	
	Customs in	
	International	
	Trade -	
	INCOTERMS in	
	Logistics -	
	Types and	
	Application of	
	INCOTERMS -	
	Tariffs, Duties,	
	and Trade	
	Compliance -	
	Global	
	Logistics and	
	INCOTERMS.	
6 Practical		20
projects and		
case studies		
Total		45

TABLE 3: OVERALL COURSE LEARNING OUTCOME ASSESSMENT CRITERIA AND USE CASES		
LEARNING OUTCOME	ASSESSMENT CRITERIA	USE CASES
At the end of the	Multiple Choice	Case Study 1:
course, the	questions	A multinational retail
learners can able to	Projects	corporation aims to enhance its
 Explain the fundamental principles of logistics operations and their 	 Case studies 	distribution network efficiency to meet the increasing customer demands while minimizing costs. With multiple
significance in supply chain management.		warehouses and diverse product lines, analyse and propose

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logistics	niu
operations.	

	TABLE 4: LIST OF FINAL PROJECTS (5 PROJECTS THAT COMPREHENSIVELY COVER ALL THE LEARNING OUTCOME) TOTAL HOURS - 20	
SL.NO	FINAL PROJECT	
1	Logistics System Diagram: Task students to create a visual representation (flowchart or diagram) illustrating the logistics system concept. This documentation should showcase the flow of materials, information, and processes involved in logistics operations.	
2	Warehousing Operations Checklist: Have students create a detailed checklist that covers all aspects of warehousing operations. This documentation should include procedures	

	for receiving, storing, picking, and dispatching goods in warehouses.
3	Freight Management Documentation: Task students with compiling documentation on freight management practices. This documentation should cover transportation modes, freight rate calculations, and documentation for shipping.
4	Export-Import Handbook: Students can collaborate to create a handbook explaining export and import procedures and INCOTERMS. This handbook could cover documentation requirements, shipping terms, and trade regulations in export-import operations.
5	INCOTERMS Application Guide: Have students develop a guide that explains the application of various INCOTERMS in different trade scenarios. This documentation should provide examples and guidelines on choosing appropriate INCOTERMS for specific transactions.