



SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY'S
R. N. G. PATEL INSTITUTE OF TECHNOLOGY - RNGPIT

An Autonomous Institute u/s UGC Act 1956

Approved by AICTE & affiliated to Gujarat Technological University

Bardoli - Navsari Road, At: Isroli (tarpore), Po: Afwa, Tal: Bardoli, Dist: Surat, Pin - 394620
Phone: 95129 00457, 95129 00458 • Email: Info@rngpit.ac.in • Website: www.rngpit.ac.in

Program Name: MBA

Level: Post Graduation

Branch: Logistics & Supply Chain Management

Course / Subject Code: 1MB1105

Course / Subject Name: Fundamental of Logistics & Supply Chain Management

w. e. f. Academic Year:	2024-25
Semester:	I
Category of the Course:	Core Course (CC)

Prerequisite:	
Rationale:	

Course Outcome:

After Completion of the Course, Student will able to:

No	Course Outcomes	RBT Level
01	Understand the basics of Logistics industry along with various technologies in logistics.	U
02	Provide feasible techno-managerial solutions by analyzing the prevailing logistics industry and applying the tools of reengineering.	N/A
03	Develop understanding of demand & Supply-chain management	U
04	Design innovative supply chain strategies by analyzing the demand & supply chain ecosystem.	N
05	Develop an understanding of ethical & legal perspective probable in the area of logistics and supply chain management.	U

*Revised Bloom's Taxonomy (RBT)

Teaching and Examination Scheme:

Teaching Scheme (in Hours)			Total Credits L+T+ (PR/2)	Assessment Pattern and Marks				Total Marks
L	T	PR		C	Theory		Tutorial / Practical	
			SEE (TH)		IAT	CCE	SEE (P)	
4	0	0	4	70	30	50	00	150



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SEE: Semester End Examination

IAT: Internal Assessment Test

CCE: Continuous and Comprehensive Evaluation

Course Content:

Unit No.	Content	No. of Hours	% of Weightage
1.	Concept of Logistics: Introduction, Concept of Logistics, Objectives of Logistics, Evolution of Logistics, Importance of Logistics, Types of Logistics, Concept of Logistics Management, Role of Logistics in an Economy, Difference between Logistics and Supply Chain Management, Logistics and Competitive Advantage, Logistics Mix.	10	25%
2.	Logistics Strategies: Strategic Role of Logistics, Role of Logistics in Value Chain network to create competitive advantage, Outsourcing fundamentals and its types: On-shore, Near-shore & Offshore, Outsourcing Strategy, Merits & Demerits of Outsourcing, Agile Strategy, Lean Strategy.	10	25%
3.	Introduction to SCM Meaning, Importance, Overview, Objective, Process Overview, Process tools, Supply chain dynamics, A model of SCM, Focus areas in SCM, Change Drivers, Evolution of SCM, Types of Cargos.	10	25%
4.	Supply Chain Network Design and Demand Management SCM Network design, Integrated SCM Planning, Strategic Importance of SCM network planning, Factors influencing network design decisions, Major Locational determinants, Framework - Design – and Functions, Types and Functions of Distribution Channel, Physical Distribution Management, Tasks in Physical Distribution Channel	10	25%
5.	Students should visit any manufacturing/service organizations and Identify the basics of Logistics procedures and techniques. Should understand various modes of transportation, its feasibility along with cost-benefit analysis. Identify the basics of Supply chain management, procedures and techniques. For service organizations, they can learn about how services are produced and how existing capacity is matched with demand.	--	30 Marks
Total		40	100



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Suggested Specification Table with Marks (Theory):

Distribution of Theory Marks (in %)					
R Level	U Level	A Level	N Level	E Level	C Level

Where R: Remember; U: Understanding; A: Application, N: Analyze and E: Evaluate C: Create (as per Revised Bloom's Taxonomy)

Evaluation:

Students shall be evaluated on the following components:

A	Continuous and Comprehensive Evaluation	(Internal Assessment – 50 Marks)
	Practical activities suggested in Module V	30 Marks
	Class Presence & Participation	10 Marks
	Quiz	10 Marks
B	Internal Assessment Test	(Internal Assessment-30 Marks)
C	Semester End Examination	(External Assessment-70 Marks)

References/Suggested Learning Resources:

(a) Books:

1. David J. Bloomberg, Stephen Lemay, Joe B. Hanna Logistics Eastern Economy Edition Latest Edition.
2. Reji Ismail Logistics Management Excel Books Latest Edition.
3. Satish C. Ailawadi & Rakesh Singh Logistics Management Prentice-Hall of India Pvt. Ltd. Latest Edition
4. Sunil Chopra, Peter Meindl, Dharamvir Kalra Supply Chain Management -Strategy, Planning and Operation, Pearson Latest Edition
5. K. Shridhara Bhat Supply Chain Management Himalaya Publishing House Latest Edition

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