Course Code	MB18OM01	Course Name	SUPPLY CHAIN AND LOGISTICS MANAGEMENT	Course Category		L	T	P	C
						3	0	2	4

Pre-requisite Courses	*Successfully completed, a minimum test score achieved, or a specified condition satisfied before a student can enroll in the this course.*	Co-requisite Courses		Progressive Courses	*Certificate in Supply Chain Management and Logistics, Supply Chain Analytics, etc.,*
Course Offering Department	*School of Management*		**Data Book / Codes/Standards**		

Course Learning Rationale (CLR): *The purpose of learning this course is to:*

		Learning			Program Learning Outcomes (PLO)							
CLR-1 :	*Gain detailed knowledge on nature and concepts of Supply Chain Management*	1	2	3	1	2	3	4	5	6	7	8
CLR-2 :	*Study the main areas of sourcing and buying decisions.*											
CLR-3 :	*They will have insight of warehousing and networks*											
CLR-4 :	*Sustainable supply chain strategic skills, have the feel of warehouse*											
CLR-5 :	*Students will also be empowered to apply Packaging– Types of logistics packaging*											

Course Learning Outcomes (CLO):	*At the end of this course, learners will be able to:*	*Level of Thinking (Bloom)*	*Expected Proficiency (%)*	*Expected Attainment (%)*	Business Environment & Domain Knowledge (BEDK)	Critical Thinking, Business Analysis, Problem Solving and Innovative Solutions (CBPI)	Global Exposure and Cross-cultured understanding (GECCU)	Social Responsiveness and Ethics (SRE)	Effective Communication (EC)	Leadership and Team Work(LT)	PSO – 1	PSO – 2
CLO-1 :	Understand the process and information required for preparing the different types of demand forecasts required for operations and supply chain management	1	60	40	M	H	M	H	H	M		
CLO-2 :	Understand the insights on supply chain process from sourcing to distribution.	1	60	40								
CLO-3 :	Enhance the supply chain integration	2	50	50								
CLO-4 :	Understand the Warehousing design and functional operation mechanism and risk.	2	50	50								
CLO-5 :	Analyze the Logistics packaging, fleet management and supply chain risk											

Duration (hour)		9	9	9	9	9
S-1	SLO-1	Introduction – Nature and concepts	Sourcing decisions	Warehousing – Concepts	Supply chain Integration	Packaging
	SLO-2					
S-2	SLO-1	Enablers of SCM	Make Vs Buy decisions	Types and functions	Internal and External Integrations	Types of logistics packaging
	SLO-2					
S-3	SLO-1	Supply chain in India	Market Vs Hierarchy decisions	Warehouse design	Information technology solution for Supply chain integration	Containerization
	SLO-2					
S-4	SLO-1	Supply chain strategy	Vendor rating and selection	Operational mechanism and automated systems	Emerging technologies in Supply chain integration	Transportation fundamentals and planning
	SLO-2					
S-5	SLO-1	Customer service	Procurement concepts, process and models	Facility location and network design	Performance measurement	Modes, cost, and selection decisions
	SLO-2					
S-6	SLO-1	Cost trade–offs	Inventory management	Network operations planning	Dimensions, Tools and Models	Fleet Management

	SLO					
	SLO-2		Types of inventory			
S-7	SLO-1	Value chain perspectives	Inventory costs – ABC Analysis – ABC–VED Matrix	Network design problem	Benchmarking and Enhancing supply chain performance	3PL and 4PL logistics
	SLO-2			models and data		
S-8	SLO-1	Demand forecasting	Materials Requirement Planning (MRP)	Location of warehousing and service systems	Supply chain performance	Green SCM -Green logistics
	SLO-2	Role of forecasting in SCM	Distribution management			Reverse logistics
S-9	SLO-1	Forecasting methods	Distribution Requirement Planning	Risk management in SCM	Case Study	Supply chain sustainability and Demand chain management
	SLO-2					

Learning Resources	1.Janat Shah, Supply Chain Management, Pearson Publication, 2016 2.Martin Christopher, Logistics and Supply Chain Management, FT Publishing, 2016 3.Bowersox, Supply Chain Logistics Management, Tata McGraw Hill Publications, 2011

Learning Assessment

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)									Final Examination (50% weightage)	
		CLA -1 (5marks)		CLA -2 (5marks)		CLA-3 (10marks)		CLA -4 (15marks)		CLA -5(15marks)		Marks -100 which will be weighted at 50%	
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice			Theory	Practice
Level 1	Remember Understand	50						35		35		35	
Level 2	Apply Analyze	25						35		35			35
Level 3	Evaluate Create	25						30		30		30	
	Total	100 %		100 %		100 %		100 %		100%		100 %	

\# CLA – 1-5: can be from any combination of these: Class Participation, Surprise Test, Cycle test, Model Examination, Mini-Projects etc.,

Course Designers

Experts from Industry	Experts from Higher Technical Institutions	Internal Experts
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