

Course Code MGT2004	Supply Chain Management	Course Type LT	
		Credits 3	
Course Objectives:			
<ul style="list-style-type: none">To introduce the concept of Supply Chain and its processes.To identify the management components of supply chain.To understand the tools and techniques in implementing supply chain management.To provide insight into the role of internet in supply chain management.			
Course Outcomes:			
At the end of the course, students should able to			
<ul style="list-style-type: none">Analyze the supply chain activities of a firm.Apply supply chain concepts to improve business performance.Apply latest technology to enhance supply chain operations.			
Student Outcomes (SO): a, b, c, l			
Unit No	Unit Content	No. of hours	SOs
1	UNIT I: Introduction to Supply Chain Supply Chain - Meaning - Importance - Objectives – Benefits - Demand Forecasting-Drivers and obstacles of supply chain - Performance measurement - Decisions in supply chain - Decision Trees - Supply chain decision making models.	9	2
2	UNIT II: Supply Chain Networks Planning networks - Distribution network in a supply chain - Network decisions - Network Design - Role - Factors - Network optimization models - Global network and currency risk management.	9	1,2
3	UNIT III: Logistic Management Planning and managing inventory in supply chain - bullwhip effect - control - Probabilistic inventory models, Risk pooling - Vendor managed inventory - Multi-echelon inventory. Warehousing Functions – Types – Site Selection – Costing – Virtual Warehouse - Warehouse management - Push based system - Pull based systems.	9	5,6
4	UNIT IV: Sustainability and Managing Risk in Supply Chain Improving sustainability - Supply chain and sustainability strategies - Opportunities in sustainable supply chain management - Challenges - Green supply chain - Characteristics of supply disruptions - Operational mitigation vs. contingency approaches - Identifying the best approach.	9	9
5	UNIT V: Supply chain management and Internet Enterprise Resource Planning (ERP) - E-Procurement - E-Logistics - E-Markets - Optimization of electronic business process - Business Objects in supply chain management.	9	17
6	Guest Lecture on Contemporary Topics	1	
	Total Hours:	45	

Mode of Teaching and Learning: Lectures, Individual Exercises, Team Exercises, Assignments and Continuous Assessment tests.	
Mode of Evaluation and assessment: Unannounced open book examinations, quizzes, any other innovative assessment practices followed by faculty, in addition to continuous assessment tests and final examinations.	
Text Books:	
1.	Sunil Chopra and Peter Meindel, Supply Chain Management: Strategy, Planning, and Operation, Prentice Hall of India, 2002.
2.	Ronald H. Ballou and Samir K. Srivastava, Business Logistics and Supply Chain Management, Pearson education, 5th Edition.
Reference Books	
1.	R.B. Handfield and E.L. Nochols, Jr. Introduction to Supply Chain Management, Prentice Hall, 1999.
2.	Gerard Cachon, Christian Terwiesch, Operations Management: Matching supply with demand, McGraw-Hill, 1st edition.
Assessment Method: Unannounced open book examinations, quizzes, any other innovative assessment practices followed by faculty, in addition to continuous assessment tests and final examinations.	
Recommendation by Board of studies on: 24-06-2020	
Approval by Academic Council on: 20-01-20	
Compiled by: Dr. Angeline	