



SWARNANDHRA COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)

Accredited by National Board of Accreditation, AICTE, New Delhi, Accredited by NAAC with "A" Grade – 3.32 CGPA, Recognized under 2(f) & 12(B) of UGC Act 1956, Approved by AICTE, New Delhi, Permanent Affiliation to JNTUK, Kakinada Seetharampuram, W.G.DT., Narsapur-534280, (Andhra Pradesh)

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION TEACHING PLAN

Course code	Course Title	Year/Sem	Branch	Contact Hrs/week	Section	Date of commencement of Semester
24MB4T02	SUPPLY CHAIN MANAGEMENT	II/II	MBA	5	-	08/01/2026

COURSE OUTCOMES: Students will be able to

CO1: Understand the importance of SCM in the global competitiveness. (K2)

CO2: Analyze production planning and scheduling, purchasing and material requirement planning. (K4)

CO3: Design the Competitive and supply chain strategies in inventory management. (K5)

CO4: Identify strategic sourcing and procurement process. (K3)

CO5: Apply Information Technology in Supply chain management. (K3)

Unit No.	Outcome	Topic/Activity	Ref. Text Book	Total Periods	Delivery Method	
1	CO1: Understand the importance of SCM in the global competitiveness. (K2)	UNIT – 1 Basics of Supply Chain Management				Chalk & Talk
		1.1	Meaning and definition of SCM	T1,T2,R1	1	
		1.2	Evolution of SCM - Different views of Supply Chain	T1,T3,R1	1	
		1.3	Supply Chain vs Logistics	T1,T2,R1	1	
		1.4	importance of SCM in global competitiveness	T1,T2,R1	1	
		1.5	Key drivers of SCM: Facilities, Inventory, Transportation	T1,T3,R1	2	
		1.6	Information, Sourcing, Pricing	T1,T2	2	
		1.7	Developing Supply Chain Strategy- Strategic fit in Supply Chain.	T1,T2	2	
		TOTAL HOURS REQUIRED		10		
		UNIT II Supply Chain Analysis				
		2.1	Types of Supply Chains	T1,T2	1	Chalk &



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2	CO2: Analyze production planning and scheduling, purchasing and material requirement planning. (K4)	2.2	Advanced Planning	T1,T2	1	Talk, PPT Tutorial
		2.3	Structure of Advanced Planning Systems	T1,T2	1	
		2.4	Strategic Network Planning - Demand Planning	T1,T2	1	
		2.5	Master Planning-Demand Fulfilment and ATP	T1,T2	1	
		2.6	Production Planning and Scheduling	T1,T2	1	
		2.7	Purchasing and Material Requirements Planning	T1,T2	1	
		2.8	Distribution and Transport Planning	T1,T2,	1	
		2.9	Coordination and Integration	T1,T2	1	
		2.10	Collaborative Planning.	T1,T2	1	
		2.11	Designing the supply chain network	T1,T2	1	
			CASE STUDY		1	
			TOTAL HOURS REQUIRED		12	
3	CO3: Design the Competitive and supply chain strategies in inventory management.(K5)	UNIT III Demand Forecasting and Inventory Management				
		3.1	Role of forecasting in SCM	T1,T2,R1	1	Chalk & Talk, PPT Tutorial, Active learning & case study
		3.2	Types of forecasting methods: Qualitative and Quantitative	T1,T2,R1	1	
		3.3	Aggregate planning	T1,T2,R1	1	
		3.4	Inventory management: EOQ	T1,T2,R1	1	
		3.5	Safety Stock	T1,T2,R1	1	
		3.6	ABC analysis	T1,T2,R1	1	
		3.7	Bullwhip effect and its impact	T1,T2,R1	1	
		3.8	Supply chain responsiveness and efficiency	T1,T2,R1	1	
		3.9	Competitive and supply chain strategies	T1,T2,R1	1	
			CASE STUDY		1	
			TOTAL HOURS REQUIRED		10	
UNIT IV Distribution, Sourcing, Procurement and Vendor Management						



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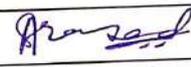
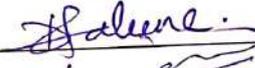
4	CO4: Identify strategic sourcing and procurement process. (K3)	4.1	Logistics management and third	T1,T2,R1	1	Chalk & Talk, PPT Tutorial, Industrial Visit	
		4.2	party logistics (3PL)	T1,T3,R1	1		
		4.3	Network design in distribution	T1,T2,R1	1		
		4.4	Last mile delivery challenges	T1,T3,R1	1		
		4.5	Strategic sourcing and procurement processes	T1,T3,R1	1		
		4.6	Supplier selection and evaluation	T1,T2,R1	1		
		4.7	E- procurement and global sourcing	T1,T3,R1	1		
		4.8	Vendor relationship management	T1,T2,R1	1		
			CASE STUDY		2		
	TOTAL HOURS REQUIRED		10				
5	CO5: Apply Information Technology in Supply chain management. (K3)	UNIT V Supply Chain Technology and Sustainability					Chalk & Talk, PPT Tutorial, & Project Based Learning
		5.1	Role of IT in SCM: (ERP, Block Chain and IoT)	T1,T3,R1	1		
		5.2	Green supply chains	T1,T2,R1	1		
		5.3	sustainable practices	T1,T3,R1	1		
		5.4	Supply chain risk management	T1,T3,R1	2		
		5.5	Resilient and agile supply chains	T1,T3,R1	2		
		5.6	Ethics in SCM	T1,T3,R1	1		
			CASE STUDY		2		
			TOTAL HOURS REQUIRED		10		
		REVISION		8			
			TOTAL		60		
MID II EXAMINATIONS							
END EXAMINATIONS							
Text Books:							



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T1	Sunil Chopra & Peter Meind I — <i>Supply Chain Management: Strategy, Planning and Operation</i> - Pearson Education, India
T2	Mohanty R.P,S.G Deshmuki— <i>Supply Chain Management I Biztantra</i> , New Delhi
T3	Janat Shah — <i>Supply Chain Management: Text and Cases</i> (Pearson Education) (<i>Indian context with good case studies</i>)
Reference Books:	
R1	David Simchi - Levi, Philip Kaminsky & Edith Simchi – Levi – <i>Designing and Managing the Supply Chain</i> (McGraw Hill) (<i>Balanced between theory and practical tools</i>)

Details	Name	Signature with Date
i.	Faculty	Dr. NGS. Prasad 
ii.	Course Coordinator	D. Haleena 
iii.	Module Coordinator	Dr.O.V.A.M. Sridevi 
iv.	Programme Coordinator	Dr.G.Grace 


Principal