

SEMSETER-IV

GANPAT UNIVERSITY									
FACULTY OF MANAGEMENT STUDIES									
Program		MBA		Branch/Spec.		MBA (Logistics & Supply Chain Management) Elective Subject			
Semester		IV				Version		1.0.0.0	
Effective from Academic Year				2025-26		Effective for the batch Admitted in			June 2025
Subject code		IVA01SGS		Subject Name		Sustainable & Green Supply Chain Management			
Teaching scheme						Examination scheme (Marks)			
(Per week)	Lecture(DT)		Practical(Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	2	0	0		2	Theory	100		100
Hours	2	0	0		30	Practical			
Objective:									
To equip MBA students with a strategic framework to design, lead, and transform global supply chains by integrating sustainability and green principles to enhance resilience, create value, and build a lasting competitive advantage.									
Course Outcome:									
CO 1: The students will be able to explain the strategic business case for sustainability and the core principles governing a responsible global supply chain.									
CO 2: The students will be able to analyze the key operational components of a green supply chain, including logistics, warehousing, and carbon footprint management.									
CO 3: The students will be able to evaluate the challenges and strategies associated with ethical sourcing, supplier management, and the implementation of circular economy principles.									
CO 4: The students will be able to formulate an integrated strategy for building a resilient and sustainable supply chain, incorporating risk management, performance measurement, and stakeholder communication.									
Theory syllabus									
Unit	Content								Hrs
1	Foundations of Sustainable Supply Chains, The Strategic Imperative: Beyond Cost Efficiency, Traditional vs. Sustainable Supply Chain Models, The Triple Bottom Line: People, Planet, Profit, ESG (Environmental, Social, Governance) Frameworks, The Business Case for Sustainability: Risk, Reputation, Revenue, Stakeholder Theory & Management in Supply Chains								6
2	Designing and Managing the Green Supply Chain, Green Logistics & Transportation: - Mode Selection & Route Optimization - Last-Mile Delivery Innovations, Sustainable Warehousing: Energy, Automation, Design, Green Packaging: Reduction, Reuse, Recyclable Materials, Carbon Footprint Management: Scope 1, 2, 3 Emissions (Conceptual), Reverse Logistics & Waste Management: The Waste Hierarchy: Reduce, Reuse, Recycle, Technology's Role: AI & IoT for Efficiency.								8
3	Ethical Sourcing and the Circular Economy, Sustainable Procurement & Ethical Sourcing: - Supplier Codes of Conduct & Auditing - Fair Trade & Living Wage Considerations, Managing Social Risk: Human Rights & Modern Slavery Diligence, Supplier Collaboration & Development for Sustainability, The Circular Economy: From Linear to Closed-Loop Systems - Product-as-a-Service & Leasing Models,								8

	Traceability & Transparency: The Role of Blockchain (Conceptual).	
4	Integrated Strategy, Risk, and Reporting, Building Supply Chain Resilience: Agility & Diversification - Nearshoring, Reshoring & Friend-shoring Strategies, Integrated Risk Management: Geopolitical, Climate, Social, Sustainability Performance Measurement: KPIs & Metrics, Communicating Value: Sustainability Reporting & ESG Disclosures, The Role of the Chief Sustainability Officer (CSO), Change Management for Sustainable Transformation.	8
Practical content		
Reference Books		
1.	Chopra, Sunil, and Meindl, Peter. Supply Chain Management: Strategy, Planning, and Operation. 7th Edition, Pearson, 2018.	
2.	Christopher, Martin. Logistics & Supply Chain Management. 5th Edition, Pearson, 2016.	
3.	Elkington, John. Green Swans: The Coming Boom in Regenerative Capitalism. Fast Company Press, 2020.	
4.	Savitz, Andrew W. The Triple Bottom Line: How Today's Best-Run Companies Are Achieving Economic, Social, and Environmental Success - and How You Can Too. Jossey-Bass, 2013.	
5.	Wieland, Andreas. Sustainable Supply Chain Management: A C-Suite Compendium. Springer, 2021.	
6.	Esty, Daniel C., and Winston, Andrew S. Green to Gold: How Smart Companies Use Environmental Strategy to Innovate, Create Value, and Build a Competitive Advantage. Yale University Press, 2006.	
7.	Sheffi, Yossi. The New (Ab)Normal: Reshaping Business and Supply Chain Strategy for a Post-Pandemic World. MIT CTL Media, 2020.	
8.	Bremmer, Ian. The Power of Crisis: How Three Threats – and Our Response – Will Change the World. Simon & Schuster, 2022.	
9.	Rogers, David L. The Digital Transformation Playbook: Rethink Your Business for the Digital Age. Columbia Business School Publishing, 2016.	
10.	Freeman, R. Edward. Strategic Management: A Stakeholder Approach. Cambridge University Press, 2010.	
11.	Grant, Robert M. Contemporary Strategy Analysis. 10th Edition, Wiley, 2019.	