

GANPAT UNIVERSITY									
FACULTY OF MANAGEMENT STUDIES									
Programme		Master of Business Administration				Branch/Spec.		International Business	
Semester		IV				Version		1.0.0.1	
Effective from Academic Year			2021-22			Effective for the batch Admitted in			June 2020
Subject code		2IVA07GSC		Subject Name		GLOBAL SUPPLY CHAIN MANAGEMENT			
Teaching scheme					Examination scheme (Marks)				
(Per week)	Lecture(DT)		Practical(Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	4	0	0	0	4	Theory	60	40	100
Hours	4	0	0	0	4	Practical	-	-	-
Pre-requisites:									
Objectives									
The objective of the subject is to aware the students about various decisions related to design of network of supply chain and its strategy.									
Learning Outcome:									
2IVA07GSC.CO1: Understand the strategic framework of logistics and supply chain management, including processes, strategies, and performance drivers.									
2IVA07GSC.CO2: Apply distribution network design, facility location, and transportation models to optimize supply chain operations globally.									
2IVA07GSC.CO3: Analyze demand forecasting, inventory coordination, and integration practices to mitigate the bullwhip effect and enhance supply chain efficiency.									
2IVA07GSC.CO4: Evaluate the role of information technology and sustainability in global supply chain performance management.									
Theory syllabus									
Unit	Content								Hrs
1	Introduction of Logistics & SCM with strategic framework: Understanding Logistics and Supply chain: process view of supply chain, 3 PLs, 4PLs, Supply chain Strategy and performance: Competitive and supply chain strategy, Functional supply chain, Responsive supply chain, Product type and supply chains, customer service and cost trade off, Pull-Push boundary of supply chain, Supply chain Drivers: Six drivers of supply chain, Facilities, Inventory, Transportation, Price, Sourcing, Information.								15
2	Designing Global Supply Chain Network and Transportation: Factors affecting distribution network, Facility location and capacity allocation, Role of transportation in supply chain, Modes of transportation and their characteristics, Design options for transportation network: Direct shipment, Direct shipping with milk run, Shipment via Distribution, Shipping via crossdocking, Hub and spoke model, Vehicle scheduling with Saving algorithm.								15
3	Demand and Supply Management: Introduction of Forecasting, Components of forecast, approach to forecasting, Time series demand forecasting methods- static and adaptive forecasting. , Managing economies of scale in supply chain: cycle inventory, Managing uncertainty in supply chain: safety inventory, Echelon inventory, inventory Coordination and integration in supply chain, lack of coordination in supply chain and bullwhip effect, Remedial strategies to counteract demand distortions across supply chains, Supply chain external integration: Vendor managed inventory, collaborative planning forecasting and replenishment, Supply chain restructuring								25
4	IT and Global Supply chain E-supply chain management, IT and global supply chain, Supply Chain Performance Management system, Green Supply chain								5
Practical content									

Text Books	
1	Supply Chain Management- strategy, planning and operations-Sunil Chopra and P. Meindl, and D V Kalra, Pearson, 2016
Reference Books	
1	Business Logistic Management – R.H. Ballou
2	Logistic Management & World Seaborne Trade – K. Muthaiah, Himalaya Publishing House Ltd., Latest edition
3	Logistics in International Business-- Rajiv Aserkar, Shroff Publication And Distribution Ltd., Latest edition
4	Supply Chain Management – Janat Shah, Pearson education , 2016
5	Supply Chain Performance Management—S. Jaikrishna,, Icfai Unit Press, Latest edition
6	Logistics &Supply Chain Management-- Raghoramay,, MacMillan India Ltd, Latest edition
7	Logistics Management—Donal J. Bowersok , Tata McGraw Hill Publication, Latest edition

Note:

Version 1.0.0.0 (First Digit= New syllabus/Revision in Full Syllabus, Second Digit=Revision in Teaching Scheme, Third Digit=Revision in Exam Scheme, Forth Digit= Content Revision)

L=Lecture, TU=Tutorial, P= Practical/Lab., TW= Term work, DT= Direct Teaching, Lab.= Laboratory work

CE= Continuous Evaluation, SEE= Semester End Examination

#### Mapping of CO with PO and PSO:

Semester 4: Course Name: 2IVA07GSC GLOBAL SUPPLY CHAIN MANAGEMENT							
Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7
2IVA07GSC.CO1	2	2	3	2	3	2	1
2IVA07GSC.CO2	2	3	3	2	1	0	2
2IVA07GSC.CO3	3	3	3	3	2	2	3
2IVA07GSC.CO4	2	2	1	2	2	0	1

Semester 4: Course Name: 2IVA07GSC GLOBAL SUPPLY CHAIN MANAGEMENT			
Course outcomes	PSO1	PSO2	PSO3
2IVA07GSC.CO1	2	2	3
2IVA07GSC.CO2	3	2	2
2IVA07GSC.CO3	3	3	2
2IVA07GSC.CO4	2	2	1