

AC –

Item No. –

As Per NEP 2020

**Tolani College of
Commerce
(Autonomous)**



**Title of the Course: MIS for Logistics
(Semester III)**

**Programme: Bachelor of Business Administration
(Logistics)**

Syllabus for 4 Credit Course from the Academic Year 2024-2025

Name of the Course: MIS for Logistics

Sr. No.	Heading	Particulars
1	<p>Description of the course:</p> <p>Including but not limited to:</p>	<p>This comprehensive course delves into the dynamic intersection of Information Technology and Logistics Management, providing a robust foundation in MIS principles tailored to the logistics industry.</p> <p>Students will explore key topics ranging from strategic planning and technology evaluation to advanced logistics technologies, all designed to equip them with the essential skills for effective MIS implementation in logistics operations.</p>
2	Vertical:	Major
3	Type:	Theory
4	Credit:	4 credits
5	Hours Allotted:	60 Hours
6	Marks Allotted:	100 Marks Continuous Evaluation 40 marks and Semester End Examination 60 marks
7	<p>Course Objectives:</p> <ol style="list-style-type: none"> 1. Develop a comprehensive understanding of Management Information Systems (MIS) specific to the logistics industry. 2. Analyze the role of MIS in addressing challenges and leveraging opportunities within logistics operations. 3. Equip students with the necessary competencies and knowledge to excel as MIS professionals in the logistics sector. 4. Enhance awareness of the pivotal role MIS plays in optimizing logistics processes and decision-making. 	
8	<p>Course Outcomes:</p> <ol style="list-style-type: none"> 1. Ability to understand Management Information Systems (MIS) tailored specifically for the logistics industry. 2. Ability to systematically analyze challenges within logistics operations and leverage opportunities using MIS tools, leading to informed decision-making and problem-solving. 3. Ability to acquire competencies and knowledge essential for success as MIS professionals in the logistics sector 4. Ability to make strategically sound decisions with MIS in Logistics 	

9	Module 1: Information Technology in Logistics Management (15 Hours)
	<ul style="list-style-type: none"> 1. IT Architecture Overview: <ul style="list-style-type: none"> ▶ IT Architecture & Infrastructure ▶ Cloud Computing and Services ▶ Virtualization and Virtual Machines 1. Database Technology and Business Intelligence <ul style="list-style-type: none"> ▶ Data Warehouse and Data Mart Technologies ▶ Data and Text Mining ▶ Business Intelligence & Analytics 2. Networks, Collaboration & Sustainability <ul style="list-style-type: none"> ▶ Business IT Networks & Components ▶ Communication Technologies ▶ Internal Control, Business Control, and Auditing
	Module 2: Technology Management and Evaluation (15 Hours)
	<ul style="list-style-type: none"> 1. Dissemination of Technology Information and Strategic Planning <ul style="list-style-type: none"> ▶ Opportunities and Challenges in IT Management ▶ Technology Information Dissemination ▶ Strategic Planning Models 2. Technology Choice and Evaluation Methods <ul style="list-style-type: none"> ▶ Analysis of Alternative Technologies ▶ Implementing Technology Programs ▶ Intellectual Capital and Property Rights 3. Compliance Systems and Performance Management <ul style="list-style-type: none"> ▶ Functional Area & Compliance Systems ▶ Enterprise Systems and Applications Overview ▶ Collaborative Planning, Forecasting, and Replenishment System (CPFR), Customer Relationship Management (CRM)
	Module 3: Advanced Logistics Technologies and Optimization (15 Hours)
	<ul style="list-style-type: none"> 1. Logistics Data Management and Analysis <ul style="list-style-type: none"> ▶ Database Technology in Logistics ▶ Data Warehousing ▶ Business Intelligence Overview 2. Technology Implementation and Project Management <ul style="list-style-type: none"> ▶ Technology Implementation, System Development and Strategic Planning ▶ Business Process and Project Management ▶ Architecture & IT Design 3. Optimization Strategies for MIS Implementation <ul style="list-style-type: none"> ▶ Data Visualization ▶ Mashups and Mobile Intelligence ▶ Fleet Management Information System 4. Intellectual Property and Alternative Technologies <ul style="list-style-type: none"> ▶ An Introduction to Intellectual Property Rights

	<ul style="list-style-type: none"> ▶ Patent, Copyrights, Trademarks, and Other Issues ▶ Analysis of Alternative Technologies
	Module 4: ERP Integration and Functional Excellence (15 Hours)
	<ol style="list-style-type: none"> 1. Management Levels and Functional Systems <ul style="list-style-type: none"> ▶ Enterprise Systems and Applications: Overview ▶ Enterprise Resource Planning (ERP) ▶ Supply Chain Management (SCM) 2. Business Process and Project Management <ul style="list-style-type: none"> ▶ Architecture & IT Design ▶ Software & Applications for Management (Business Software Tools) ▶ Support Systems for Functional Areas 3. ERP Modules and Performance Management <ul style="list-style-type: none"> ▶ Sales and Marketing ▶ Accounting and Finance ▶ Materials and Production Management 4. Sustainability and Ethical Issues in MIS <ul style="list-style-type: none"> ▶ Internal Control, Business Control, and Auditing ▶ Evaluation of Business Software Tools ▶ Compliance and Legal Aspects

10	Reference Books:		
	<ul style="list-style-type: none"> ● Course Material Prepared by LSC ● KENNETH C. L., JANE P. L., & RAJANISH DASS (2001) Management Information System - Managing the Digital Firm. Pearson Education: New Delhi. ● RAVI, K., & ANDREW, B. W. Frontiers of Electronic Commerce. Pearson Education: New Delhi. ● KENNETH, C. L., & JANEP, L. (2001) Essentials of MIS. Prentice Hall India: New Delhi. ● SADAGOPAN, S. (2003) Management Information System. Prentice Hall India: New Delhi. ● EFF, O.Z. (2003) Management Information Systems. Vikas Publishing House Pvt. Ltd.: New Delhi. 		
11	Internal Continuous Assessment: 40%	Semester End Examination: 60%	
12	Continuous Evaluation through: (20 marks)	<ol style="list-style-type: none"> 1) Case Study, Class Presentation and Research Assignments (10 marks) 2) MCQ Based Test (10 marks) 	A Learner must be present for each of the sub-component

13	Format of SEE Question Paper: (30 marks)	
	Question No.	Nature of Question
	Q-1	Answer the following: (attempt any 3 of 4) a) b) c) d)
	Q-2	Answer the following: (attempt any 3 of 4) a) b) c) d)
	Q-3	Answer the following: (attempt any 3 of 4) a) b) c) d)
	Q-4	Answer the following: (attempt any 3 of 4) a) b) c) d)
		Maximum Marks
		15 Marks
		15 Marks
		15 Marks
		15 Marks

Signatures of Team Members

Sr.No.	Name	Signature
1.	Ms. Amrita Nambiar	
2.		