

LOG302 Supply Chain Information Management and Technology

Level: 3

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JULY

Synopsis:

Information-based visibility is crucial to maintain a virtual line-of-sight to product orders and shipments across all stages of the supply chain. Otherwise, blind spots will lead to supply chain inefficiencies. Technologies continue to evolve to capture, store, analyse, share, protect and verify data. Management must decide which technologies to use and how to integrate them into their companies and their key partners. This course provides students with an understanding of the role of information and information technology (IT) in a supply chain. Students will gain insights into the concepts and technologies that enable supply chain managers to use information to make better decisions to boost supply chain performance.

Topics:

- Role of Information in the Supply Chain
- Supply Chain Visibility
- Inventory and Asset Tracking Applications
- Integrated System Applications
- Coordinated Logistics Applications
- Geospatial Applications
- Data Analytics for the Supply Chain
- Cloud Computing
- Enterprise Database Systems
- Knowledge Management
- Network and Data Security
- Block Chain for the Supply Chain

Learning Outcome:

- Show the importance of information and information technology in a supply chain.
- Apply inventory/asset tracking and integrated system concepts into operations or processes to increase supply chain visibility.
- Appraise the systems and applications to coordinate and streamline logistics operations.
- Examine data analytics and cloud computing technologies to improve supply chain performance.
- Analyse enterprise database and knowledge management solutions to support business and logistics requirements.
- Propose solutions to protect and verify data in the supply chain.

Assessment Strategies (Evening Class):

Components	Description	Weightage Allocation (%)
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Overall Continuous Assessment	TUTOR-MARKED ASSIGNMENT 1	15
	GROUP BASED ASSIGNMENT 1	15
	PARTICIPATION 1	10
	QUIZ 1	10
Overall Examinable Components	Written Exam	50
Total		100