

DBA8003 Optimizing Operations and Supply Chain Management

PRE-REQUISITE(S)

No pre-requisite is required

CREDIT HOURS

3

SYNOPSIS

Students will learn conceptual, theoretical, analytical and practical insights of effective operations and supply chain management in global organisations. The module introduces a theoretical and practical exposition of the factors that are necessary to optimize operations and supply chain management in a global and highly competitive markets. Supply chain optimisation requires effective organisation and alignment along the value chain. Topics include supply chain strategy, procurement, risk & reputation management, warehouse & inventory management, e-commerce & last mile delivery, sustainability, and data analytics.

LEARNING OUTCOMES

- Critically evaluate supply change management trends, theories, concepts and practices for the Post Covid 19 era.
- Appraise supply chain optimisation tools and techniques to optimize the entire value and supply chain from the customer to raw material supplier.
- Propose strategic and entrepreneurial actions to move towards sustainable supply chain to drive performance improvement.

TOPICS

Topic 1	Operations Strategy Across the Organization
Topic 2	Managing Constraints Across the Organization
Topic 3	Procurement and Lean Systems
Topic 4	Supply Chain Strategy
Topic 5	Supply Chain Management and E-Commerce
Topic 6	Warehousing and Inventory Management
Topic 7	Sustainability and Supply Chain Management
Topic 8	Big Data Analytics in Operations and Supply Chain Management
Topic 9	Supply Chain Risk

Topic 10 Resources Planning Across the Organizations

ASSESSMENT DETAILS

Continuous Assessment	%
Short Essays	20
Discussion Forum/Presentation	15
Case Study	15
Final Assessment	%
Written Assignment/Examination	50

PRESCRIBED TEXT

The list of required readings and related study materials will be discussed by the faculty instructor.