



CO - ED

Don Bosco Arts & Science College

(Affiliated to University of Madras)
45, Landons Road, Kilpauk, Chennai - 10

CERTIFICATE

IN

LOGISTICS

AND

SUPPLY CHAIN MANAGEMENT

- > Off Line Course start date : 24/02/25
- > Off Line Course end date : 29/03/25
- > On Line Course end date : 15/03/25

Course duration
60 hours

*Course duration : Daily 2 hours from 2 pm to 4 pm
on all college working days*

*Course fee : Rs 6,000 (Including Registration,
Course Materials, Exam Fees & Certification)*

*Eligibility : Under Graduates & Graduates of any discipline
and Public*

Faculty : Internal Resources of the College.

Examination Pattern:

- CIA - 20 marks
- Assignment - 15 marks
- Case Study - 15 marks
- Attendance - 10 marks
- Project/Internship - 10 marks
- Summative Assessment - 30 marks

Awards will be given
to
Meritorious Students

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Objective of the Course :

1. To provide a deep understanding of supply chain processes, strategies, and logistics operations.
2. To ensure students gain both theoretical knowledge and practical skills, making them industry-ready for various roles in logistics and supply chain management.

<p><i>1. Fundamentals of Supply Chain Management</i></p> <ul style="list-style-type: none">• Introduction to Supply Chain Management• Key components of a supply chain• Objectives and performance measures• Supply chain design and strategy• Role of supply chain in business	<p><i>2. Logistics Management</i></p> <ul style="list-style-type: none">• Overview of logistics in supply chains• Transportation management (modes, strategies, and operations)• Warehousing and inventory management• Freight and distribution planning• Logistics technology and automation
<p><i>3. Procurement and Sourcing Strategies</i></p> <ul style="list-style-type: none">• Principles of procurement management• Supplier selection and relationship management• Contract management• Strategic sourcing and global sourcing• Risk management in procurement	<p><i>4. Operations Management in Supply Chains</i></p> <ul style="list-style-type: none">• Demand planning and forecasting techniques• Production planning and scheduling• Lean supply chain practices• Just-in-Time (JIT) and agile supply chains• Quality management in supply chain operations
<p><i>5. Supply Chain Analytics and Optimization</i></p> <ul style="list-style-type: none">• Introduction to supply chain analytics• Data-driven decision-making in supply chains• Optimization models and tools• Cost analysis and efficiency improvement• Key performance indicators (KPIs) for supply chain analytics	<p><i>6. Global Supply Chain Management</i></p> <ul style="list-style-type: none">• Challenges of managing global supply chains• Cross-border trade and regulations• International logistics and shipping• Customs clearance processes• Global trade compliance and strategies
<p><i>7. Technology in Supply Chains</i></p> <ul style="list-style-type: none">• Role of technology in modern supply chains• Supply Chain Management (SCM) software• Internet of Things (IoT) in logistics• Blockchain and its application in supply chain• Artificial Intelligence (AI) and machine learning in supply chain operations	<p><i>8. Sustainable Supply Chain Practices</i></p> <ul style="list-style-type: none">• Green supply chain management• Sustainable logistics and packaging• Circular economy and waste management• Environmental regulations in supply chains• Corporate social responsibility in supply chain management
<p><i>9. Risk Management in Supply Chains</i></p> <ul style="list-style-type: none">• Identifying risks in the supply chain• Risk assessment and mitigation strategies• Disruption management and contingency planning• Supply chain resilience and agility• Case studies of risk management in supply chains	<p><i>10. Financial Aspects of Supply Chain Management</i></p> <ul style="list-style-type: none">• Costing and budgeting in supply chains• Financial performance metrics• Supply chain finance and working capital management• Trade credit and payment terms• Pricing strategies and cost optimization
<p><i>11. Emerging Trends in Supply Chain and Logistics</i></p> <ul style="list-style-type: none">• E-commerce and omnichannel supply chains• Last-mile delivery challenges• Reverse logistics and returns management• Autonomous vehicles and drones in logistics• Industry 4.0 and its impact on supply chain operations	<p><i>12. Capstone Project/Internship</i></p> <ul style="list-style-type: none">• Practical application of concepts learned during the course• Industry collaboration on real-world supply chain problems• End-to-end supply chain design or optimization project• Presentation of project findings and solutions