

MBA Operations & Supply Chain Management Project Topic List

1. Supply Chain Management in Manufacturing Industries

Research Objectives

- To study supply chain practices in manufacturing organizations.
- To identify factors affecting supply chain efficiency.

Suggested Methodology: Survey / Case Study

Primary Variables: Supply Chain Efficiency, Inventory Management, Supplier Performance

Suitable For: MBA Operations & Supply Chain Management Students

2. Inventory Management Practices in Retail Businesses

Research Objectives

- To evaluate inventory management techniques.
- To examine their impact on operational efficiency.

Suggested Methodology: Survey

Primary Variables: Inventory Turnover, Stock Availability, Inventory Cost

Suitable For: MBA Operations Students

3. Logistics Management and Customer Satisfaction

Research Objectives

- To analyze the impact of logistics performance on customer satisfaction.
- To identify key logistics challenges.

Suggested Methodology: Survey

Primary Variables: Logistics Performance, Delivery Time, Customer Satisfaction

Suitable For: MBA Operations Students

4. Lean Manufacturing Practices in Production Industries

Research Objectives

- To examine lean manufacturing implementation.
- To evaluate its effect on productivity.

Suggested Methodology: Case Study

Primary Variables: Lean Manufacturing, Waste Reduction, Productivity

Suitable For: MBA Operations Students

5. Warehouse Management System Effectiveness

Research Objectives

- To study warehouse management practices.
- To identify methods for improving warehouse efficiency.

Suggested Methodology: Survey

Primary Variables: Warehouse Efficiency, Storage Utilization, Order Accuracy

Suitable For: MBA Operations Students

6. Vendor Relationship Management in Supply Chains

Research Objectives

- To examine supplier relationship practices.
- To evaluate their impact on supply chain performance.

Suggested Methodology: Survey

Primary Variables: Supplier Relationship, Procurement Efficiency, Vendor Performance

Suitable For: MBA Operations Students

7. Quality Management Practices in Manufacturing Companies

Research Objectives

- To evaluate quality management systems.
- To study their impact on product quality.

Suggested Methodology: Survey

Primary Variables: Product Quality, Process Improvement, Customer Satisfaction

Suitable For: MBA Operations Students

8. Procurement Management Strategies

Research Objectives

- To analyze procurement practices.
- To identify cost-saving procurement strategies.

Suggested Methodology: Survey

Primary Variables: Procurement Efficiency, Supplier Cost, Purchase Planning

Suitable For: MBA Operations Students

9. Demand Forecasting Using Business Data

Research Objectives

- To evaluate forecasting methods.
- To study their impact on inventory planning.

Suggested Methodology: Secondary Data

Primary Variables: Demand Forecasting, Sales Trend, Inventory Planning

Suitable For: MBA Operations Students

10. Transportation Management in Logistics Companies

Research Objectives

- To study transportation management practices.
- To identify methods for reducing transportation costs.

Suggested Methodology: Survey

Primary Variables: Transportation Cost, Delivery Efficiency, Fleet Utilization

Suitable For: MBA Operations Students

11. Role of Artificial Intelligence in Supply Chain Management

Research Objectives

- To study AI applications in supply chain operations.
- To evaluate operational improvements through AI.

Suggested Methodology: Case Study

Primary Variables: AI Adoption, Operational Efficiency, Automation

Suitable For: MBA Operations Students

12. Reverse Logistics and Sustainable Supply Chains

Research Objectives

- To analyze reverse logistics practices.
- To evaluate environmental and business benefits.

Suggested Methodology: Survey

Primary Variables: Reverse Logistics, Sustainability, Recycling Efficiency

Suitable For: MBA Operations Students

13. Green Supply Chain Management

Research Objectives

- To study sustainable supply chain initiatives.
- To identify benefits of eco-friendly logistics.

Suggested Methodology: Survey

Primary Variables: Green Supply Chain, Sustainability, Environmental Performance

Suitable For: MBA Operations Students

14. Six Sigma Implementation in Manufacturing

Research Objectives

- To evaluate Six Sigma practices.
- To analyze their impact on process quality.

Suggested Methodology: Case Study

Primary Variables: Six Sigma, Defect Rate, Process Improvement

Suitable For: MBA Operations Students

15. Capacity Planning in Manufacturing Industries

Research Objectives

- To examine capacity planning techniques.
- To identify factors affecting production efficiency.

Suggested Methodology: Survey

Primary Variables: Capacity Utilization, Production Planning, Efficiency

Suitable For: MBA Operations Students

16. Impact of Automation on Warehouse Operations

Research Objectives

- To study warehouse automation technologies.
- To evaluate improvements in operational efficiency.

Suggested Methodology: Case Study

Primary Variables: Warehouse Automation, Productivity, Labor Efficiency

Suitable For: MBA Operations Students

17. Risk Management in Supply Chain Operations

Research Objectives

- To identify supply chain risks.
- To evaluate risk mitigation strategies.

Suggested Methodology: Survey

Primary Variables: Supply Chain Risk, Risk Management, Business Continuity

Suitable For: MBA Operations Students

18. E-commerce Logistics Performance Analysis

Research Objectives

- To study logistics practices in e-commerce companies.
- To evaluate delivery performance and customer satisfaction.

Suggested Methodology: Survey

Primary Variables: Delivery Performance, Logistics Efficiency, Customer Satisfaction

Suitable For: MBA Operations Students

19. Production Planning and Scheduling

Research Objectives

- To examine production planning techniques.
- To analyze scheduling efficiency.

Suggested Methodology: Survey

Primary Variables: Production Planning, Scheduling Efficiency, Resource Utilization

Suitable For: MBA Operations Students

20. Total Quality Management in Service Industries

Research Objectives

- To study TQM implementation.
- To evaluate its impact on service quality.

Suggested Methodology: Survey

Primary Variables: TQM, Service Quality, Customer Satisfaction

Suitable For: MBA Operations Students

Project Report Hub

★ Additional Trending Topics (21–30)

21. Last-Mile Delivery Optimization in E-commerce

Research Objectives

- To evaluate challenges in last-mile delivery.
- To identify strategies for improving delivery efficiency.

Suggested Methodology: Case Study

Primary Variables: Last-Mile Delivery, Delivery Time, Customer Satisfaction

Suitable For: MBA Operations Students

22. Digital Transformation in Supply Chain Management

Research Objectives

- To study digital technologies in supply chain operations.
- To evaluate their impact on operational performance.

Suggested Methodology: Secondary Data

Primary Variables: Digital Transformation, Supply Chain Efficiency, Technology Adoption

Suitable For: MBA Operations Students

23. Cold Chain Logistics Management

Research Objectives

- To examine cold chain logistics practices.
- To identify challenges in temperature-sensitive product transportation.

Suggested Methodology: Case Study

Primary Variables: Cold Chain Logistics, Product Quality, Transportation Efficiency

Suitable For: MBA Operations Students

24. Inventory Optimization Using ABC Analysis

Research Objectives

- To study inventory classification techniques.
- To evaluate inventory optimization methods.

Suggested Methodology: Survey

Primary Variables: Inventory Optimization, ABC Analysis, Inventory Cost

Suitable For: MBA Operations Students

25. Supplier Performance Evaluation Using KPIs

Research Objectives

- To analyze supplier performance measurement methods.
- To identify key indicators affecting procurement success.

Suggested Methodology: Survey

Primary Variables: Supplier Performance, KPIs, Procurement Efficiency

Suitable For: MBA Operations Students

26. Industry 4.0 Applications in Manufacturing Operations

Research Objectives

- To study Industry 4.0 technologies in manufacturing.
- To evaluate their impact on productivity.

Suggested Methodology: Case Study

Primary Variables: Industry 4.0, Smart Manufacturing, Productivity

Suitable For: MBA Operations Students

27. Sustainable Packaging in Supply Chains

Research Objectives

- To examine sustainable packaging practices.
- To analyze consumer and business benefits.

Suggested Methodology: Survey

Primary Variables: Sustainable Packaging, Environmental Impact, Customer Perception

Suitable For: MBA Operations Students

28. Fleet Management Optimization in Logistics Companies

Research Objectives

- To evaluate fleet management practices.
- To identify methods for reducing transportation costs.

Suggested Methodology: Survey

Primary Variables: Fleet Utilization, Fuel Cost, Transportation Efficiency

Suitable For: MBA Operations Students

29. Omnichannel Fulfillment Strategies in Retail Supply Chains

Research Objectives

- To study omnichannel fulfillment practices.
- To evaluate their impact on customer satisfaction.

Suggested Methodology: Case Study

Primary Variables: Omnichannel Fulfillment, Inventory Accuracy, Customer Experience

Suitable For: MBA Operations Students

30. Blockchain Technology in Supply Chain Transparency

Research Objectives

- To examine blockchain applications in supply chains.
- To analyze its role in improving transparency and traceability.

Suggested Methodology: Secondary Data / Case Study

Primary Variables: Blockchain Adoption, Supply Chain Transparency, Traceability

Suitable For: MBA Operations Students