

Logistics Dissertation Topics

1. The Impact of AI on Supply Chain Optimization

Objective: To evaluate how artificial intelligence enhances supply chain efficiency, reduces costs, and improves decision-making.

2. Green Logistics: A Sustainable Approach in Modern Supply Chains

Objective: To assess the role of green logistics practices in reducing environmental impact and improving sustainability.

3. Blockchain in Logistics: Improving Transparency and Security

Objective: To examine how blockchain technology enhances security, traceability, and transparency in supply chains.

4. Last-Mile Delivery Challenges and Solutions in E-Commerce

Objective: To analyze key challenges in last-mile delivery and propose effective strategies for improvement.

5. The Influence of Big Data Analytics on Logistics Performance

Objective: To explore how big data analytics improves logistics operations, efficiency, and forecasting accuracy.

6. Risk Management in Global Supply Chains

Objective: To identify major risks in global supply chains and evaluate strategies to mitigate disruptions.

7. The Role of Internet of Things (IoT) in Logistics and Transportation

Objective: To analyze the impact of IoT in real-time tracking, inventory management, and supply chain efficiency.

8. Reverse Logistics: Managing Returns in the Retail Industry

Objective: To examine how businesses handle product returns efficiently while minimizing financial and environmental costs.

9. Impact of Transportation Infrastructure on Supply Chain Performance

Objective: To evaluate how infrastructure quality affects logistics efficiency and economic development.

10. The Role of Automation and Robotics in Warehousing Operations

Objective: To assess the benefits and challenges of implementing automation in warehouse

management.

11. Cold Chain Logistics: Challenges and Innovations in Food Supply Chains

Objective: To explore the key challenges and technological innovations in cold chain logistics for perishable goods.

12. The Impact of Fuel Price Volatility on Logistics Costs

Objective: To analyze how fluctuating fuel prices affect transportation costs and supply chain management.

13. Circular Economy in Logistics: The Future of Waste Reduction

Objective: To evaluate how circular economy principles can enhance logistics efficiency and sustainability.

14. Impact of COVID-19 on Global Supply Chains and Logistics

Objective: To study the long-term effects of the pandemic on logistics and strategies for building resilient supply chains.

15. Adoption of Electric Vehicles in Logistics and Their Economic Viability

Objective: To examine the feasibility and cost-effectiveness of using electric vehicles in logistics operations.

16. Role of 3PL (Third-Party Logistics) in Enhancing Supply Chain Efficiency

Objective: To analyze the advantages and limitations of outsourcing logistics to third-party providers.

17. Lean Logistics: Reducing Waste in Supply Chain Operations

Objective: To assess the effectiveness of lean logistics strategies in minimizing waste and improving efficiency.

18. Drone Delivery Systems: The Future of Logistics?

Objective: To investigate the potential and challenges of using drones for last-mile delivery.

19. Warehouse Location Optimization: A Strategic Approach

Objective: To develop models for selecting optimal warehouse locations to minimize costs and improve service levels.

20. Ethical Issues in Logistics: Labor Exploitation and Fair Trade Practices

Objective: To analyze ethical concerns in logistics, including labor conditions and fair trade compliance.