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Research Proposal

Challenges in Logistics and Their Impact on Supply Chain Efficiency

Background & Rationale

Logistics is a critical function in the global supply chain, yet it is plagued by numerous challenges ranging from transportation inefficiencies to technological limitations. Understanding these problems is essential for improving operational performance and customer satisfaction

Objectives

- ➢ To identify and categorize the primary problems in logistics.
- ➢ To evaluate the impact of these problems on supply chain efficiency.
- ➢ To analyse the role of technology in mitigating these challenges.
- ➢ To propose strategic recommendations for overcoming key logistical issues

Methodology

- ➢ Literature Review: Review existing academic and industry publications.
- ➢ Surveys/Interviews: Conduct with logistics managers and supply chain professionals.
- ➢ Case Studies: Analyse specific firms or incidents where logistics problems caused significant disruptions.
- ➢ Data Analysis: Use statistical tools to correlate logistics challenges with performance metrics.

Expected Outcomes

- ➢ A categorized list of logistical problems and their frequency.
- ➢ Measurable impact of these issues on delivery time, cost, and customer satisfaction.
- ➢ Strategic insights into the adoption of logistics technologies.
- ➢ Policy and operational recommendations for improving logistics

Timeline

Month 1–2: Literature Review
Month 3–4: Data Collection
Month 5–6: Data Analysis
Month 7: Report Writing and Review

Significance

This study will help businesses, logistics providers, and policymakers understand and address critical logistics issues, ultimately leading to more resilient and efficient supply chains.