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عنوان البحث

The impact of supply chain management on organizations

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Introduction:

Supply chain management is a key role in the success of any company. This includes all activities of moving raw materials from suppliers to customers, planning, purchasing, production, storage, transportation, distribution, and customer service. Effective supply chain management has a significant positive impact on organizations.

Improve efficiency by reducing costs and increasing productivity by streamlining processes and eliminating waste.

And also increase customer satisfaction. Effective supply chain management ensures that products and services are delivered to customers precisely on time while increasing competitive strength by providing products and services faster, at competitive prices, and reducing risks. Effective supply chain management can reduce the risk of supply disruptions and other issues that can disrupt business operations.

In this research, I will talk to you about:

- Supply chain management concept
- The importance of supply chain management for organizations
- The impact of supply chain management on the performance of organizations
- Best practices for supply chain management
- Challenges facing supply chain management
- Future trends in supply chain management

I believe that this research will be useful to students, researchers, and professionals who want to know more about the impact of supply chain management on organizations.

A supply chain refers to a network of people, organizations, activities, resources, and business processes involved in creating and delivering products and services to customers.

Supply chain management aims to ensure a smooth and efficient flow of materials and information from suppliers to end customers.

Therefore, the impact of supply chain management on an organization can have a significant impact on profitability, efficiency, customer satisfaction, and reputation.

Some of the key benefits of effective supply chain management include:

Increase cost efficiency:

Effective supply chain management can reduce costs by improving resource utilization, reducing inventory, and optimizing transportation and storage operations.

Improve customer satisfaction:

Effective supply chain management can improve customer satisfaction by providing high-quality products and services on time and at competitive prices.

Increase profitability:

Effective supply chain management can increase profitability by improving cost efficiency and increasing customer satisfaction.

Increased flexibility:

Effective supply chain management can improve an organization's ability to adapt to changes in demand, supply, or other market conditions.

Promoting sustainability:

Effective supply chain management can promote sustainability by reducing waste, improving energy use, and protecting the environment.

Many factors influence the impact of supply chain management on your organization

The most important of them are:

Size and type of tissue:

Supply chain management needs vary between small and large organizations, and between organizations that manufacture goods and provide services.

Supply chain complexity:

The more complex the supply chain is, the more likely it is that supply chain management will have an impact on your organization.

Operational efficiency:

The efficiency of operations within an organization can affect the impact of supply chain management.

External factors:

External factors such as globalization and economic and political fluctuations can influence the impact of supply chain management.

The study Problem:

Regarding the impact of supply chain management on organizations, the problem of the study is to determine the precise causal relationship between supply chain management practices and organization performance.

- 1) External factors such as economic and political conditions affect the organization's performance even if supply chain management is effective.
- 2) It is difficult to measure the impact of supply chain management accurately, as it can have a long-term impact on the organization.

Therefore, future studies should focus on:

- Use research methodologies that allow control of other external factors.
- Measuring the long-term impact of supply chain management.
- Study organizations in different industries and countries.

The importance of studying:

1) Improving the performance of organizations:

Effective supply chain management contributes to improving the efficiency of operations, reducing costs, and improving productivity, which in turn improves the financial performance of the organization and improves customer satisfaction .

2) Keeping pace with rapid developments:

Studying the impact of supply chain management on organizations helps organizations understand these developments and develop more effective supply chain management practices to adapt to them.

3) Make better strategic decisions:

Studying the impact of inventory management practices on organizations can help determine optimal inventory levels to reduce costs and improve customer service.

4) Developing supply chain management practices:

The research results can be used to develop new tools, software, and services to help organizations improve their supply chain management.

Objectives of the study:

1. Determine the causal relationship between supply chain management practices and organization performance
2. Develop a model to measure the impact of supply chain management on the organization's performance
3. Identify the best supply chain management practices to improve the organization's performance
4. Identify the challenges facing supply chain management and provide solutions to them
5. Contributing to scientific knowledge in the field of supply chain management

The purpose of the research depends on the impact of supply chain management on the organization, the most important of which are:

1 .Understand the relationship between supply chain management practices and organizational performance:

This study seeks to determine how a variety of supply chain management practices, such as storage and transportation efficiency and inventory management, affect organizational performance in terms of profitability, customer satisfaction, and operational efficiency. These surveys can help organizations identify the most effective supply chain management practices to improve performance.

2 .Identify supply chain management best practices in different areas:

Supply chain management needs vary widely across sectors such as manufacturing, services, and healthcare. The purpose of this study is to identify supply chain management best practices for each department, taking into account factors specific to each department. This study helps organizations adopt best practices to improve supply chain efficiency.

3 .Assessing the impact of new supply chain management technologies:

Supply chain management technologies are constantly evolving, including artificial intelligence, the Internet of Things, and blockchain. This study aims to assess the impact of these new technologies on supply chain performance. This study will help organizations determine whether these technologies are suitable for them and how to implement them effectively.

4 .Investigate the impact of external factors on supply chain management:

External factors such as globalization, political and economic fluctuations, and natural disasters can affect supply chain management. This study aims to understand how these factors affect the supply chain and to develop strategies to mitigate that risk. The study will help organizations build more resilient supply chains that can adapt to changes in the external environment.

5 .Provide recommendations to improve supply chain management practices:

Based on research results, future researchers can provide recommendations to improve the organization's supply chain management practices. These recommendations include the use of new technologies, process changes and improved collaboration among supply chain stakeholders. These recommendations can help organizations maximize their supply chain to achieve strategic goals.

Study questions:

1. What is the causal relationship between supplier relationship management practices and organization performance?
2. What is the impact of inventory management practices on organization performance?
3. How do transportation and logistics management practices affect an organization's performance?
4. What challenges do organizations face in effective supply chain management?
5. What are the best practices for supply chain management in light of changing technological developments and globalization?

Study hypotheses:

- 1- There is a positive relationship between effective supplier relationship management practices and organizational performance.

Sub-Hypothesis 1.1: Rigorous supplier selection practices lead to improved profitability, customer satisfaction, and operations efficiency.

Sub-hypothesis 1.2: Continuous evaluation of supplier performance enhances collaboration and innovation between suppliers and customers.

Sub-Hypothesis 1.3: Collaborative practices such as information sharing and joint business planning contribute to improving overall supply chain performance.

- 2- Effective inventory management practices lead to improved organizational performance.

Sub-Hypothesis 2.1: Optimal inventory levels reduce costs, improve customer service, and reduce the risk of supply disruptions.

Sub-Hypothesis 2.2: Effective reorder point systems help maintain appropriate inventory levels and better meet demand.

Sub-Hypothesis 2.3: Advanced inventory management techniques such as demand forecasting and integrated supply chain planning are becoming more important in dynamic business environments.

- 3- Effective transportation and logistics management practices positively impact the performance of the organization.

Sub-Hypothesis 3.1: Improving transportation options reduces delivery costs, increases delivery speed, and improves delivery accuracy.

Sub-Hypothesis 3.2: Integrated transportation and logistics management strategies contribute to improving supply chain efficiency and reducing risks.

Sub-Hypothesis 3.3: Technologies such as real-time tracking and monitoring are becoming more important to ensure operations run smoothly and improve supply chain resilience.

Previous studies:

1. Supplier relationship management practices:

Studies have shown that effective supplier relationship management practices, such as careful supplier selection, continuous performance evaluation, and collaboration, can lead to improved profitability, customer satisfaction, and operations efficiency. (e.g., [Mentzer et al., 2001], [Handfield-Jones et al., 2009])

2. Inventory management practices:

Studies have shown that optimal inventory levels can help reduce costs, improve customer service, and reduce the risk of supply disruptions. (e.g., [Chopra and Sodhi, 2004], [Souza et al., 2010])

3. Transportation and logistics management practices:

Studies have shown that improved transportation options can lead to reduced delivery costs, increased delivery speed, and improved delivery accuracy. (e.g. [Transportation Research Board, 2002], [Coyle et al., 2012])

4. Supply chain management challenges:

Studies have identified that internal challenges to effective supply chain management include demand uncertainty, resource shortages, and ineffective organizational structures. (e.g., [Handfield-Jones, 2004], [Slack et al., 2013])

5. The impact of supply chain management practices on competitive advantage and organizational performance

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Theoretical principles of the study:

1 .Systems theory:

- Organizations are open systems that interact with their external environment.
- The different components of the system affect each other interdependently.
- To achieve optimal performance, the various components of the supply chain must work together efficiently and effectively.

2 .Transferable Resources Approach:

- Organizations possess resources that can be used to achieve competitive advantage.
- Effective supply chain management practices can improve an organization's ability to leverage its resources and convert them into value for customers.

3 .Agency theory:

- There is a relationship between managers and owners in the organization.
- Managers must act in the interests of the owners.
- Effective supply chain management practices can contribute to reducing agency risk and ensuring that managers act for the greater good of the organization.

4 .Transaction cost theory:

- Organizations seek to reduce transaction costs associated with business activities.
- Effective supply chain management practices can contribute to reducing transaction costs by improving coordination and cooperation between different supply chain parties.

Methodology and research methods:

This study will rely on quantitative research methodology and a mixed methods approach to data collection and analysis.

1 .Quantitative methodology:

Data collection:

- Data will be collected through questionnaires addressed to supply chain managers in various organizations in various industrial fields.
- The questionnaires will include questions on various supply chain management practices and performance indicators of the organization.

data analysis:

- Statistical analysis will be used to analyze the data collected from the questionnaires
- We will use techniques such as regression and correlation analysis to determine the relationship between supply chain management practice variables and organization performance variables.
- We will also perform hypothesis tests to determine whether the results obtained are statistically significant.

2 .Mixed research approach:

Data collection:

In addition to questionnaires, we may also use semi-structured interviews with supply chain managers to better understand their experiences, We may also collect case data from organizations with high performance in supply chain management to better understand the practices that contribute to success.

data analysis:

We will analyze qualitative data collected from interviews and case studies using techniques such as thematic analysis and content analysis.

We will combine the results of quantitative and qualitative analysis to provide a comprehensive understanding of the relationship between supply chain management practices and organization performance.

Ensuring search quality:

- Necessary steps will be taken to ensure the validity and accuracy of the data collected and analyzed.
- Reliable survey methods will be used to collect data through questionnaires.
- The data collected will be validated through interviews and case studies.
- Appropriate data analysis techniques will be used to analyze the data collected.
- The results of the study will be reviewed by experts in the field of supply chain management to ensure their quality and validity.

Study tools:

- Data collection tools such as questionnaires, interviews, and case studies
- Data analysis tools such as statistical analysis and content analysis
- Modeling tools such as regression models, simulation models, and optimization models

The limits of the study:

1. Limitations of the methodology:

- Reliance on survey data: The study relies primarily on data collected through questionnaires, which may be subject to response biases and conceptual limitations.
- Limitations of interviews and case studies: Findings obtained from interviews and case studies may not be widely generalizable due to their qualitative nature.

2. Sample limits:

- Sample Size: The study sample may not be large enough to represent the full diversity of supply chain management practices and organizational performance across different industries and countries.
- Sample characteristics: The characteristics of the study sample may not be fully representative of the population of targeted organizations, which may affect the accuracy of the results.

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