Management Of the Global Supply Chain:
Challenges Facing the Industry and
Opportunities for Progress

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Abstract
Successful businesses need effective supply chain management to survive and thrive in today's uncertain environment. The significance of this topic has grown in light of the current economic crisis. The most recent research in all the important subfields of supply chain management is summarized in this conceptual paper. The purpose of this study is to examine the issues and potential solutions associated with international supply chain management. A comprehensive literature study was performed with the goals in mind; the key results are discussed. This analysis has spanned international regions, including India (home to a key supplier to HaiHa) and beyond. Therefore, the difficulties may vary depending on the nations of origin and the sectors involved. Furthermore, it is discovered that the difficulties may be lessened by using various alternatives acquired from analyzing the case studies. The results indicate that businesses should actively support and include solution-seeking activities if they want to remain competitive with global participants.

Keywords: Global supply chain management; challenges, solutions; Indian industry; global perspectives.

Introduction
Companies are expanding their operations both domestically and internationally, which bodes well for national economic development. Supply chains are no longer managed on a regional scale as economies become more global (Pal, 2019). This is seen when businesses establish a global footprint by sourcing from and marketing to customers in a variety of locations and industries. This aspect increases the supply chain's complexity, which, if mismanaged, may cause delays and extra expenses.

It's possible that domestic laws and regulations, socials, economics, and politics are causing problems for local businesses. Businesses are better able to plan ahead for these kinds of problems because they have seen them before and are acquainted with them; they are also less constricted since the problems are still manageable. When compared to doing business on a global scale, where so many external variables may have a significant impact, local company may be constrained, and weaker competitors may go out of business. If a company wants to compete internationally, it has to know the ins and outs of the rules in each country it plans to enter. A company should not opt to invest in a commercial
activity without first doing thorough research, since doing so would result in a loss of capital with no guarantee of future profit (Rubio, 2021).

As such, the purpose of this study is to first identify problems with global supply chain management and then provide solutions to those problems. To deal with the problems caused by global supply chain management, several solutions need to be created (Sunny, 2020). It’s possible that management won’t be able to eliminate all risks, but maybe they’ll be able to take certain precautions that will help. In order to use the company’s strengths and address its flaws, it is necessary to launch an internal program that is both comprehensive and proactive (Wang, 2020). Once you have a firm grasp of the situation inside, it's time to turn your attention to the environmental forces outside of your control. Supply chain issues may therefore best be addressed via a mix of internal and external approaches. Companies who initially did the research before committing to expanding their local company operations will be less likely to have disruptions in the future (Smith, 2019).

In light of this methodology, the article is not a comprehensive examination of all problems associated with supply chain management; rather, it provides an overview of a subset of these problems and serves as a jumping-off point for readers interested in learning more about this dynamic topic. The paper's organization is reflective of that goal. Each of the chosen topics is discussed briefly before being illustrated with a brief narrative.

**Literature Review**

- **The Challenges in Supply Chain Management in India**

  Given that the paper's central question is "what are the challenges and solutions in the global supply chain?" we should start by listing those problems and their answers. India is the setting for the first possible scenario. India's local and foreign markets have been broadened exhibiting various prospects, and the country is quickly becoming a global industrial powerhouse.

  Despite the potential advantages to the nation, there remain obstacles in the way of its supply chain. Research shows that supply chain management in India is fraught with difficulties. Originates with the distributors. The corporation has taken several measures to improve the responsiveness, dependability, and competitiveness of its suppliers. There are a number of supply risks that the supplier has introduced into the process of fulfilling the company's request. Many Indian businesses have reported delays in order receiving as the primary supply risk they face. The supplier finally delivers the goods the firm or institution requested, but it's too late.

  The manufacturing process at the firm is being impacted by this issue (Baucus, 2019). It can't even go on to the following business action, which is the most crucial one before delivering the good or service to the end customer (the transformation process).

  Quantity mismatch is the second supply issue to consider. As a result of the supplier's inefficient procedure, several businesses lost money sending back incorrectly ordered supplies. alternatively, the time spent waiting may have been better used travelling back to the provider.
This is the second danger brought on by the first difficulty. Providers need to keep a tight eye on the businesses they serve in order to keep supplier costs down for the Indian company chain (Goswami, 2023). In addition, the third supply risk from the provider's was infamous for being of defective quality. The vendor had signaled Obviously, the level of discourse was high enough to warrant further investigation. The materials represented a level of achievement and standardization (Yang, 2021). However, the providers were not really providing the correct quality or perhaps failed to reach a certain benchmark throughout a process supplier-side perspective.

One of the difficulties facing Indian business is adapting to the needs of customers, who have become an increasingly important consideration in managing the downstream process. In any company, the consumer is considered paramount. Ultimately, has more influence than the companies who made the offers things, and is free to accept or decline offers at will in the business world. This is a huge indicator that the clients are satisfied. Constantly taken into account before any new items are developed help that they need (Abbas, 2022). The most pressing issue is that Indian businesses just making goods and services available without also investigation of consumer tastes in the marketplace. They were unable to provide a product that addresses all of the purchaser's concerns. This difficulty is the most important factor that businesses must consider. supply chain considerations into account. It's not that easy of a thing Putting out brand-new products/services without giving any what's happening in the business world (Morales, 2020). The management of the supply chain should fulfil the needs of the client to the fullest extent possible the success of the company, overall. Companies who don't prescreen their clients run the risk of supplying subpar goods and services, which may drive up costs significantly. Despite doing a client needs and desires study, some businesses still fall short of their mark.

Most likely, this is because, day by day, customers get too complicated to predict on their preferences. Therefore, client demand has emerged as a complex issue for supply chain management. Companies need to do extensive research on the outcomes of this problem (Gillan, 2021). If they don't, they risk alienating the people who ultimately decide how much money to put into the company in the first place: the customers.

The intense level of competitiveness in India's business sector is another obstacle. There are a lot of companies, both new and old, striving to provide the greatest goods and services to clients. Those with a lot of money to start off with have a better chance of succeeding than those who don't. Whoever puts up the most effort tends to come out on top in these kinds of competitions. The dominant player invests heavily in supply chain management (including marketing, logistics, transportation, and distribution management) to ensure continued market dominance (Rashidi, 2022). According to research by, the less able may be abandoned to their fate in a flood of ineffectiveness. The problem is that these businesses had invested in certain supply networks but gained little in return. Tight competition may sometimes cause problems, such as when a business wants to find inexpensive transportation costs but has trouble doing so. The transportation dealer may not be willing to negotiate a lower price with the firm if it has only ever worked with large corporations in the past. Therefore, the corporation should accept and shoulder the heavy expense instead, by hook or by crook. It's possible that this is a problem for modern Indian businesses.
When India became both a local and international market, the geographical distance between it and the enterprises that already existed there became a problem for supply chain management (Rothenberg, 2020). The word "scarcity" is often used in reference to the nation. In the context of supply chain management, this word describes a capability that is lacking, inadequate, lacking, or needed most. In an effort to alleviate resource depletion, several nations have turned to imports and exports as well as other creative solutions. Problems associated with laws and regulations, political issues, the time and money required to get resources into the nation, and so on may all be highlighted by this obstacle. Because of the expense associated with transporting raw materials from their point of origin to their final destination, a company's capacity to expand into new markets may be constrained by the physical distance between the two locations. Low operational costs are associated with shorter distances, whereas higher costs are associated with longer ones. Distance also poses problems in terms of the kind of loads that are feasible and the weather under which they may be transported. The capacity to transport raw materials is being affected by the size of load units. This flow is subject to the transportation cost with the container to load the units from the provider, which is negotiated between the provider and the enterprises that need the raw materials from the provider. It's possible that the service provider and the businesses who use the service will have to exchange money to get started. It also alludes to the efficiency, economies of scale, and technology used in spreading the data. As a result, companies may have to spend impractically high levels of time, money, and other resources dealing with problems that might have been avoided by keeping their distance.

The integration of the supply chain is another difficulty faced by Indian manufacturing. This usually refers to situations when a company's overall business plan has been integrated with its many subsidiary strategies (Windler, 2020). Instead of focusing on addressing problems caused by the external environment, much resources have been devoted to aligning internal strategies with the corporate strategy. In most cases, it's not enough for integration to occur inside; it also has to take into account external environmental aspects. Rather of focusing on balancing internal and external environmental issues, the typical Indian CEO is more concerned with how the supply chain can reduce its costs. If these two things don't work together, it might cost us time and money down the road. Both concerns need to be resolved simultaneously so that the company can focus on a single KPI.

Another difficulty identified in Indian business is the transmission of data. Almost all businesses were reluctant to give the data for fear of being used by a third party. Misuse of information occurs regularly when people act on the mistaken assumption that their competitors would exploit the data to gain an unfair advantage (Hamdan, 2023). Many businesses have adopted this notion wholeheartedly. The company was unaware of some costs, including those associated with manufacturing and raw materials, even though the two parties were partners in the same industry and business. This corporation may embellish the facts even if the party has requested for the truth due to monopolistic problem where one firm expected the best over the rest. Therefore, the key challenge is the difficulty and complexity of establishing confidence and working together among the parties.

- **The Supply Chain Management Challenges in To-day’s Global Competitive Environment**

Organizations’ competitiveness in today's supply chain global marketplace depends not only on their capacity to expand into new markets and take advantage of economies of scale, but also on their skill in
managing the flow of information in an increasingly knowledge-based economy. The pursuit of global efficiency, local responsiveness, and efficient knowledge and information transfer across subsidiaries presents additional difficulties for companies looking to boost their competitiveness. Organizations in the business world need to be able to do more than just work to cut costs to succeed in today's market (Weinmann, 2021). Even though it varies, knowledge is still the most valuable resource for meeting the challenges presented by the market. Similarly, there is a wide range of options for enhancing competitiveness.

The ability to enter new markets and take benefit of economies of scale is important, but in today's supply chain global marketplace, so is the ability to effectively manage the flow of information in an expanding knowledge-based economy (Salam, 2023). Further complicating efforts to increase competitiveness is the need for organizations to pursue global efficiency, local adaptability, and the efficient transfer of expertise and information between subsidiaries. In today's competitive business environment, it's not enough for an organization to be efficient at cutting expenses. Learning is still a highly important asset for overcoming market issues, however its value may fluctuate. In a similar vein, other strategies exist to boost competitiveness (Rasekh, 2019).

Researchers have also observed that supply chain management difficulties are often brought on by the presence of regional representation on the global integrated process. The cost of things like information infrastructure and transportation might go up significantly as a consequence of the global integrated process (Das, 2020). A competent representative of the corporation in other countries requires training in both the native language and culture. The expense of training and educating the first team might be rather substantial. The corporation also has to mold its employees, a process that takes time. So, in a nutshell, this is one of the global supply chain management difficulties.

Last but not least, procurement management is a problem in global supply chain management (Tyan, 2020). A typical manufacturing firm like this one requires the purchase of thousands of items from a wide variety of vendors. The issues of empowerment where managers in the company delegate tasks by working with the first line manager or the middle line managers and fully integrated to the stakeholder and finance organization were discovered in a study by. There won't be any hiccups in the company process if employees are well versed on the necessary paperwork. But what if nobody on staff has ever done anything like their current position before? The future may be more chaotic as a result of the mistakes that have already been made.

Current Issues and Challenges of Supply Chain Management
The difficulties that businesses face in today's highly competitive market while attempting to adopt supply chain management were addressed. Firms may only successfully adopt supply chain management practices if they have a thorough understanding of the issues surrounding such practices (Habib, 2020). They also noted the interdependence of material and information flows, emphasizing their significance in supply chain management. This study addresses six problems and obstacles identified by the scientific community.
First, strategic understandings centering on the bullwhip effect, which occurs when there is a lack of data and coordination throughout the supply chain. A substantial amount of fluctuation may occur that begins on a small scale if no precautions are made to avoid the fluctuation, therefore this will have an effect when rising demand fluctuations occur farther down the supply chain.

Supply chain management business process redesign is the second topic. The focus here is on determining which of a number of potential approaches to reengineering your company's supply chain will provide the greatest results (Hartmann, 2022). Business Process Reengineering (BPR) is one of the two primary ways of focus for specialists, in which existing business strategies, practices, and processes are critically examined, reevaluated, and then improved in order to better accomplish the organization's core objectives. Business Process Reengineering (BPR) is an approach to enhancing the effectiveness and efficiency of business processes both inside and across organizations. After that, we move on to CPI, or Continuous Improvement. The CPI places an emphasis on incremental improvements to the business model. Relationships with customers are also emphasized, such as what customers need, what can be offered to them, and what happens if there is any failure to meet the customers' needs through the implementation of industrious societal change in the areas of reliability, process durations, costs relative to less total resource use, quality, and efficiency. Strategies like Six Sigma and Total Quality Management (TQM) are used to control CPI (M. D. Hassan, 2023).

Third, potential threats in the supply chain that need supply chain management. Supply chain risk management was established for the express purpose of investigating potential supply chain issues and creating strategies to deal with them. According to the study's author, the supply chain faces danger when it interacts with a wide variety of suppliers, each of which may operate in a distinct market and environment, posing a unique set of hazards. Later, researchers presented a method that can discern between various types of hazards, so allowing the organization to make a better-informed decision about the amount of risk it is willing to take.

Fourth, the difficulty in selecting the most appropriate business frameworks and standards from a wide range of options is intrinsically linked to supply chain frameworks and standards. The question of what constitutes an ideal supply chain management standard has arisen. Supply-Chain Operations Reference (SCOR) was developed by industry experts to aid partnerships in expanding the viability of their supply networks and provide a methodology-based strategy for overseeing supply chain operations. The SCOR exhibit provides common terminology for distributing across supply-chain links based on a standard methodology (Ramkumar, 2020). Also, evaluating supply chain performance is important.

This supply chain transformation is aimed at gaining a competitive advantage via better performance assessment practices. Research has shown that when attempting to estimate performance, it is best to do so on two separate but related fronts: the performance of each individual service provider, and the performance of the supply chain as a whole. Key performance indicators (KPIs), balanced scorecards, and the usage of simulations were all proposed as methods for measuring the efficacy of supply chain management by the study's authors.

Last but not least, IS support for SCM that highlights SCM's progress into an innovative and data-driven framework. IS, so the argument goes, is all about how businesses can use this new technology in their
supply chains to give themselves a strategic edge. Institutionalization, framework e-business, production network segments, and incorporation are real challenges to make it successful in IS support (K. S., 2021).

According to the study's authors, supply chain management software is necessary since the real challenges of adoption lie in overcoming any barrier between IT, process, and performance.

Challenges in Supply Chain Management in Up-stream Sector of Oil and Gas Industry

Supply chain management is defined as the management of the resources involved in the creation, distribution, and consumption of goods and services from suppliers to retailers and consumers (Shang, 2021). Modern commercial partnerships are built on the back of inventory network strategies. Management of the supply chain includes boosting activities to increase speed and profitability. The upstream sector of the oil and gas industry is linked to a global supply-chain that integrates domestic and international shipping, demand and inventory monitoring, material handling, import/export assistance, and data generation. What methods and changes in practice should be explored in regulating and managing such global supply networks is obscured by the eccentric thinking of the oilfield supply chain and modern business circumstances. Researchers have identified eight difficulties associated with supply chain management.

To begin, the location is quite out of the way. The oil business began looking for oil in less accessible locations as it became increasingly aware of the limits of easy-to-access oil (A. P., 2022). This became an issue because of insufficient logistical resources, cumbersome regulatory procedures, and a lack of suitable infrastructure for the oil industry.

The next step is stock control. Oil businesses often maintain an inventory excess due to the difficulties in obtaining supplies due to transportation issues in the past. This is done to prevent stock-outs caused by delivery issues. Companies will have to spend a lot of money on inventory as a result of this.

Finally, how to get about. The difficulty of communicating with other links in the supply chain is exacerbated by the location. This results in high transportation costs and significant delays, which might cause operations to be shut down. Problems in the project’s supply chain are up next. This highlights the problem of requiring such large sums of money to construct infrastructure. Longer and higher-quality roads, pipelines, and construction equipment are necessary in such a remote area.

The import and export supply chain can provide additional challenges. For incoming, many resources such bore packages, boring instruments, boring channels, water, boring mud, ointments, and so on are needed to be transported and stored, which is a challenging proposition in remote places. Transporting water, sand and drilling chemicals in massive quantities to the site is necessary for shale gas work. For outbound, there are challenges associated with remembering the most recent petrol and oil deliveries in order to safely reconnect with clients.

The final two issues are the crisis supply chain challenge, which focuses on the difficulties that arise when unexpected events, such as fires, leaks, and so on, occur in the oil industry's supply chain, and the remote staff member supply chain challenge, which refers to the difficulties that arise when caring for workers in remote locations who have a greater need for support from oil company operators. Protecting employees and stock in the event of a disaster will be more challenging to organize in far-flung areas.
In conclusion, the goal of supply chain management is to provide the most possible value to customers at the lowest possible price (Govindan, 2021). Although it may be challenging for oil and gas firms, particularly those located in distant areas, to keep costs down, this is an issue that can be addressed with well-thought-out supply chain efficiency programs.

The Challenges in Supply Chain from the Impact of Fourth Industrial Revolution

Artificial intelligence (AI), the internet of things (IoT), advanced robotics (AR/VR), wearable technology (wearables), and additive manufacturing (AM) are all examples of technologies that contribute to the fourth industrial revolution. This technological advancement will undoubtedly alter the means of production and the nature of future businesses. As a result, it is no longer sufficient for company executives to concentrate just on the development of their own industries; they must broaden their perspective to see possible revolutions and issues across the supply chain's full network of suppliers, consumers, and end-to-end marketplaces.

According to, disruptive technologies are changing the business structures and manufacturing processes of the vast majority of economic sectors (Michael, 2022). Manufacturing methods and the administration of global supply chains are undergoing radical change as a direct result of the increasing tempo and intensity with which customers want goods. Artificial intelligence (AI), the internet of things (IoT), advanced robotics (AR/VR), and additive manufacturing (AM) are all technologies that industry leaders believe will alter the status quo and lead to new methods of value creation. Eventually, these shifts will make manufacturing site selection less sensitive to international disparities in the cost of labor and more sensitive to the declining costs associated with installing technology. These shifts pose a problem for the supply chain because they alter the path that items take. Trade between regions and cities is more important than between continents.

The fourth industrial revolution ushers in new technologies that alter not just the means of production and the management of supply networks, but also the means by which new value chains come into being. With increased digital connection, collaboration between businesses at different points in the value chain has taken on an entirely new shape (Michael, 2022). The following are some of the projected advancements that will play an important role in this procedure:

i. Open innovation refers to when a company shares information about its research and development, as well as its collaborations with other businesses and their consumers. The Internet has greatly altered global interaction and production. Companies of all sizes and locations may benefit from open innovation platforms since they allow for the crowdsourcing of ideas, concepts, and other solutions.
ii. According to research by, distributed manufacturing is a way to abolish conventional production patterns and decentralize production on a large scale. The advent of cutting-edge production techniques has allowed for widespread manufacturing in the modern period. Fourth Industrial Revolution technologies like the internet of things (IoT), additive manufacturing, and cloud computing provide the theoretical and practical basis for the concept of distributed manufacturing. Moving manufacturing closer to the consumer and actively involving them in the production process there is essential. Significant savings in both money and time will result. As an example, manufacturing may be fueled by a decentralized network of 3D printers enabled by cloud computing linking the systems of manufacturers.

Fig. 1: Evolution of scholarly concepts

Fig. 2: Concept of distributed manufacturing for wristwatches
There are emerging approaches for horizontal and vertical collaboration across businesses. The supply chain is essentially a network of cooperative businesses. Many different kinds of partnerships between supply chain participants have emerged throughout time. Forces unleashed by digitization, which adds a new layer of complexity to the world as we know it. Thus, in order to enhance the efficacy and adaptability of supply chains, business borders become less crucial. Models of vertical cooperation are prevalent in many different sectors, but horizontal partnerships are always seen as a threat from a competitive perspective. But currently, the main incentive for horizontal cooperation is the great potential for cost savings via combined services for purchasing and shared use of transport and storage capacity. Horizontal partnerships may be fostered via information exchange, which reduces risks throughout the supply chain.

The difficulties in the supply chain that have arisen as a result of the Fourth Industrial Revolution are now at hand. The implementation of open innovation with ideas of horizontal cooperation was cited as the first difficulty. In the Fourth Industrial Revolution, this will be the determining factor in determining competitiveness throughout the whole supply chain. Businesses must prepare for what is going to be a difficult new reality.

As noted in, the next hurdle will be improving supply chain performance. Almost three-quarters of businesses will struggle in 2018 to see their whole supply chain. Innovation stalls when there is a lack of awareness of the full scope of the supply chain (Gold, 2020). We are not making full use of the data and technologies made available by the Fourth Industrial Revolution. Executives in charge of the supply chain sometimes know just a fraction of what they need to know, or maybe nothing at all. Transforming the supply chain requires a new degree of differentiation. The foundation for the required change will be the Internet of Things and AI.

The supply chain's next major obstacle is its inability to adapt quickly. The full potential of the traditional supply chain has been realized. There was a meteoric rise in everything from output to supply to demand. The potential of supply chain integration has been exhausted. The infrastructure is becoming increasingly difficult to manage as more layers are added. Plus, a surge of brand-new clients brimming with optimism. Thus, it is necessary to develop a new form of structural and organizational attentiveness, and technology from the fourth industrial revolution will make this possible.

The supply chain will face difficulties due to a lack of talent and the appropriate skill sets. Adapting to new technology necessitates learning new skills and knowledge at every level. A multi-stakeholder ecosystem for training is required to meet this need. Financing for small and medium-sized enterprises is the ultimate obstacle. While large corporations may put more money into R&D, small and medium-sized businesses (SME) are the true engines of economic expansion and employment creation. Here, governments must guarantee that SMEs may also advance with the help of technology developed during the fourth industrial revolution. Distributed manufacturing and other technological advances may help developing countries recognize and speed up their industrialization process.
Supply Chain Design: Issues, Challenges, Frame-works and Solution

An effective supply chain is crucial to a company's existence in today's unstable global economy (Baloch, 2022). In the present economic climate, it is essential in facilitating the smooth distribution of products and services. This conceptual paper discusses problems in the broader field of supply chain management. In supply chain management and design, common issues are identified and given the attention they need. This review of the literature is based on a compilation of various findings and suggestions from previous studies.

If supply chain management is well-thought-out and directed, it should provide positive results, as stated in. In this study, a value-driven supply chain paired with strategic significances is used to define the firm supply chain outcome. Management at this organization took purposeful action and made strategic expenditures to acquire, create, and design the best possible tools, processes, and measurements (Newcomer, 2020). Three key-level components, including influencers, plan choices, and building elements, are offered for comprehending the supply chain strategy. The trade and political climate, the commerce model used, the firm's desired results, and the supply chain's life cycle are all examples of higher-level research that may have an impact. The design incorporates the social, behavioral, and physical/structural elements that define a supply chain. Supply chain components include inventory, logistics, technological flexibility, and available storage space. The supply chain strategy should undergo three stages of scrutiny. The article in this out-of-the-ordinary issue is offered in the context of these research levels, and it is suggested that it may be sought after in light of this system, which emphasizes the ranges that are discussed in this issue and the ranges where we can query about potential openings.

Managers have access to one of the most dangerous weapons out there. That's the essence of supply chain planning and development. While the fundamental component is used often, it has not really taken on. Therefore, this early publication on a rare topic proposed a three-tiered structure. To learn more about supply chain design and its evolution, it's important to go beyond only the past. Forbidden components include influencers, building parts, and plan decisions, all of which are crucial to supply chain success. The system currently has summaries of eight articles. Expository, observational, and hypothetical studies, as well as international markets like Asia, Europe, and North America, all benefit from this method.

Nonetheless, this out-of-the-ordinary problem opens the door to studies that provide light on the projected system via a variety of qualitative and quantitative metrics. Unusual problems and general inquiries have no noticeable effect on different regions. Therefore, we have highlighted a number of avenues for future research that might expand upon the information that has already been disseminated. Multi-industry considerations, supply chain movement considerations, the impact of varied craved outcomes, and the impact of the supply chain life cycle are only some of the additional areas of prospective future research that have been shown and are all relevant to supply chain planning.

While a supply chain strategy may be summed up by a few key metrics, it would be unrealistic to expect any one of them to test and study all relevant factors simultaneously. One or two of the more remarkable metrics will likely be highlighted in subsequent lessons.
However, focusing research within this proposed framework will help ensure that relevant control variables and other potentially confounding components are included throughout these investigations. As a result, the dissemination of knowledge and understanding on this fruitful topic may proceed on the basis of a shared set of assumptions, definitions, and systems that will guide the formulation of intriguing and consequential research topics. Successful supply chain planning is dependent on many interrelated factors, and the results of such efforts will enable the research community to better understand these factors and how they all fit together.

Supply Chain Management Integration (SCMI): Critical Problems and Solutions

In the same way that it would be unreasonable to expect a single thinker to test and analyses all relevant components simultaneously, a supply chain strategy may be a complex notion that cannot be summed up by any measurement. Associations should take into account the need to modify SCMI practices inside their member companies when planning supply chain management. Additional components that pose threats to business include possible holes in the demand and supply chains. Careful handling of fundamental concerns and arrangements is required to avoid the SCMI domino effect on the organization's performance. As a result, research was presented on a supply chain management analytics system that takes into account the risks inherent in commercial transactions and the significant domino effect that supply chain management may have.

![Supply Chain Management Integration (SCMI): Critical Problems and Solutions](image)

Costs, advantages, and risks in the promoted environment should be taken into account by decision-makers before to making any changes to the SCMI method. A successful SCMI requires more than just innovation. The whole picture, including challenging behavioral designs and risks in implementing the SCMI, must be taken into account. Analytics that predict the future are possible. The coordinated failure of SC members' processes has led to moderate progress in supply chain management. As a result, SCM should negotiate for control over the whole supply chain. Therefore, expressive and prescriptive analytics need to be crucial to fully embrace the coordination of everyday operation-s throughout the supply chain and SCMI as a whole.
Supply chain management has the potential to reap several advantages for the company, but it takes strategic investment and dedication to be really effective (Agrawal, 2019). Therefore, a cost-benefit analysis, such as the one that has been standard practice since the introduction of the SCMI method, is required. Supply chain procedures should be adapted so that they conform to the corporate standard of technical competence.

This exploratory explore, which was carried out through the Web conversation collecting, will be useful to supply chain administration professionals and analysts who are interested since it takes into account the present status of SCMI in many business sectors and its practical implementation. Directors will find supply chain integration useful for advancing SCMI execution in an organization (Al Kurdi, 2022), and analysts will be able to use the system to conduct assist in-depth thinks about on SCMI with the analytics system for the limitation of the considered, which may be a small test used to identify SCMI issues and recommended arrangements. The outcomes are incommensurable.

**Methodology**

In order to analyze the problems with and potential remedies for global supply chain management, we used qualitative techniques of field research that included a study of a small number of case studies. This strategy was used so that researchers may get a more comprehensive understanding of the problems from several angles.

The following are the most important research topics that were derived from the case studies:

So, let's start from the beginning: 1.
What are the difficulties in managing the global supply chain?
Thirdly, how can problems with global supply chain management be fixed?

The study used a literature review as its research approach to find answers to questions about how to address problems with global supply chain management. Journals in operations management, supply chain, operations research, and information systems were scoured for articles on global supply chain management. For the purpose of thoroughness, we did not include dissertations, textbooks, unpublished working papers, or conference papers. Journals from several different publishers, including Elsevier, Emerald, and Taylor & Francis, as well as popular academic journals like Management Science and Operations Research, were consulted in the literature review. The study was conducted to aid academics and industry professionals in improving supply chain management. With this goal in mind, we evaluated the literature on global supply chain management and other related references.

**Conclusion**

The study takes on a significant task by reviewing several interrelated issues in supply chain management on a global scale. Efficiency and success can only be guaranteed by consistent effort across all of the aforementioned domains. In conclusion, focusing on the problems and solutions associated with global supply chain management may play a crucial part in helping firms compete on a worldwide scale. It looked at the difficulties of manufacturing from the Indian, HaiHa, and international vantage...
points. However, businesses may find a way to fix the issue and make a profit via one of the proposed solutions, no matter how shady it may seem.

Therefore, organizations that want to participate on a global scale in the future must be cognizant of and prepared for a number of difficulties. In order to go where they need to go, they need to conduct a comprehensive investigation. Managers may be able to remove the roadblocks that prevent effective supply chain management if they adopt new methods for inventory control, encourage their suppliers and customers to become more involved in the process, and make use of a more sophisticated information system for sharing data among supply chain participants.

Our study represents what we believe to be a modest but meaningful step in the right direction. The document obviously has certain restrictions. The problems that were included were selected mostly at random, with some consideration given to the writers' experience and expertise. Short vignettes rather than entire rigorous instances were given, although references were offered for further reading. Last but not least, the only constants in today's world are the constants themselves, therefore it's safe to assume that the difficulties associated with supply chain management may evolve or intensify in the future. However, the paper's basic ideas are likely to stay mostly unchanged.

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