



Review of Book

“Supply Chain and Logistics Management”

by

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Introduction

The book entitled “supply chain and logistics management” intends to explain the concepts of SCM and its applications in the working of corporate world. Numerous strands of SCM such as SCM and its background, supply chain strategies, strategic fit in supply chain, planning demand and supply, Inventory Management, cycle Inventory and economies of scale, network design and modes of transportation, coordination in a Supply chain, role of it In SCM, logistics process, global supply chain management, reverse supply chains, and advances in SCM are exhaustively discussed to provide readers with the bird’s eye view of the SCM which is one of the thematic areas in operation management. The text will be useful to undergraduate, postgraduate students and research scholars. Contents: understanding the supply chain supply chain performance supply chain drivers and obstacles planning demand and supply in a Supply chain Inventory Management in supply chain concept of economies of scale in a Supply chain transportation in a Supply chain coordination in a Supply chain information Technology in supply chain logistics management global supply chain management reverse supply chain management advances in SCM.

This book covers abroad general introduction to all essential aspects of SCM and logistics set within the wider business context.

The book has thirteen chapters. The brief review with significance of each chapter in the book is provided as under.

Chapter 1 helps in understanding the concept of SCM and its background. The chapter helps to understand various stages and process cycles involved in SCM. In addition, it illustrates the push/pull view of supply chain processes and significance of supply chain flows. The chapter also provides several industrial supply chain examples various from a managerial context.

In Chapter 2 is on various strategies in SCM and its performance. By studying this chapter, a learner will understand the decision phases and apply competitive and supply chain strategies. The performance of a supply chain is highly influenced by its various associated drivers. Some of the important drives of supply chain performance are - inventory, transportation, facilities and information.

In Chapter 3, various drivers and obstacles of SC performance have been discussed. The role of each driver in SCM is covered in the detail. Obstacles to achieve strategic fit are also covered in this chapter.

Chapter 4 evaluates various forecasting methods and their influence on the SCM. The basic approach to demand forecasting and Time series forecasting methods are covered in this chapter. This chapter also explains the role of aggregate planning in the SCM.

Factors affecting the inventory management system and different models of inventory management are covered in the chapter 5.

The role of cycle inventory and the concept of managing economies of scale in a supply chain are illustrated in Chapter 6. Various economies of scale are covered in this chapter along with various inventory costs, and categorizes the inventory costs to determine appropriate level of safety inventory.

Chapter 7 deals with factors influencing network design, modes of transportation and their performance characteristics. This chapter covers design options as well as trade-offs to be considered in a transport network. This chapter also covers how to make transportation decisions in practice.

Chapter 8 provides an understanding on coordination in a supply chain. In this chapter, the bullwhip effect with its causes and methods to reduce the bullwhip effect are explained. Various managerial levers to achieve coordination are explained in this chapter. The brief description of coordination practices such as CRP and VMI are provided in this chapter.

In Chapter 9, the role of IT in SCM is described. In this chapter, functional roles of IT, existing IT tools and applications in SCM are covered. Emerging and new IT solutions for SCM and challenges in implementing IT in SCM are also discussed in this chapter.

In the chapter 10, functional areas of logistics and types of logistics are covered. Key elements of logistics, transportation and warehouse management are covered in this chapter.

Chapter 11 gives an understanding on the global supply chain management, its need and principles with the help of some case studies. The challenges in designing a global supply chain are also discussed in this chapter. Further, benefits and limitations of global supply chains, global logistics management and its strategic issues are covered.

Chapter 12 will help to understand reverse supply chains with its need and components. In this chapter, reverse supply chain and its comparison with forward supply chain are covered. The role of IT in reverse supply chain is also described in this chapter. Finally, the advantages and disadvantages of reverse supply chain with the challenges in its implementation are also discussed in this chapter.

The chapter 13 is on advance topics in SCM such as lean, agile, leagile, green and sustainability in supply chains. Lean Supply Chain Management (LSCM), Agile Supply Chain Management (ASCM), Green Supply Chain Management (GSCM) and Sustainable Supply Chain Management (SSCM) are covered in this chapter. Finally, Supply chain Quality Management (SCQM) is discussed to assist managers in improving the overall quality standards of products.

Overall the aim of this book is to understand the basic concept of SCM and to apply this knowledge to understand the working of corporate world. The book covers almost all the areas of supply chain management in brief. The authors have made an excellent attempt which will surely help students and practitioners to understand the various decision phases such as strategic, tactical and operational phases, and apply competitive & supply chain strategies most suited to customer demand.

About the Authors

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