Book Review

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Introduction

As information and communication technologies (ICTs) radically facilitate the convergence of data,voice, and video; support real-time transactions and interactivity; and enhance access and connectivity. This book explore the concepts, modeling, technologies, IT infrastructures, and performance management of the e-supply chain and develop a broad understanding of issues pertaining to the use of emerging information technologies and their impacts on e-supply chain management. Thisbook aims to highlight e-supply chain technologies and their effective management and guide efforts in transforming current business processes to adapt to the digital age. This book is designed to cover a broad range of topics in the field of e-supply chains in 14 chapters. It is primarily intended for professionals, researchers, and practitioners who want to explore/understand the concepts and principles of the e-supply chain and want to apply various e-supply chain models and systems to solve business problems.

Book is divided into three sections and fourteen chapters that explore the concepts, modeling, technologies, IT infrastructures, and performance management of the e-supply chain and develop a broad understanding of issues pertaining to the use of emerging information technologies and their impacts on e-supply chain management.

Section I:The Concepts and Modeling of E-Supply Chain

Chapters I:Procedure for Modeling and Improving E-SCM Processes by PatchareeBoonyathan and Latif Al-Hakim, develops a procedure referred to as eSCM-I to improve the supply chain business processes, taking into considerationthe Internet and e-business communication technologies.Chapter IIdeal with the modeling of e-supply chain management. Dynamic Transshipment in the Digital Age by Shilei Yang, Bintong Chen, and Charles L. Munson, explores how to handle transshipment among distribution centers in a geographically dispersed network. technologies (ICTs), and e-business. Chapter IIIE-Com Supply Chain and SMEs by Ron Craig, takes the perspective of small and medium-sized enterprises (SMEs) in supply chains. It reviews the important role of SMEs in national and world economies. Chapters IV explainsBuilding and Managing Modern E-Services by John Hamilton, addresses the development cycle of an e-services model. Services as a value creation process progress from supply and demand chains, to value chains, to service value chains, and finally to service value networks andChapterV present the concepts of e-services and service value network.Service Value Networks: Delivering Competitive E-Services by John Hamilton, addresses service value networks as a key pathway to establishing and likely retaining future strong competitive positioning within a service industry sector.

Section II:E-supply Chain Technologies and IT infrastructure such as radio frequency identification (RFID), security, collaboration tools, software agents, and EDI. Chapter VIAutomated Data Capture Technologies: RFID by VidyasagarPotdar, Chen Wu, and Elizabeth Chang, provides an introduction to RFID technology. A detailed classification and explanation

of these components is provided, followed by the benefits and applications that can be achieved by adopting this technology.Chapter VII discusses infrastructure securityInformation Security Risk in the E-Supply Chain by Wade H. Baker, Gregory E. Smith, and Kevin James Watson, identifies the sources of IT threats in the supply chain, categorizes those threats, and validates them through a survey of 188 companies representing a range of supply chain functions. Chapter VIIIThe Use of Collaboration Tools in Supply Chain: Implications and Challenges by OzlemBak, addresses supply chain integration by the use of collaboration tools, including inter- and intra-enterprise applications such as customer relationship management, supplier relationship management, e-business and employee-businessintegration, e-supply chain management, Web-enabled services, wireless applicationsetc.ChapterIXdeals with Negotiation, Trust, and Experience Management in E-Supply Chains by Gavin Finnie and Zhaohao Sun, introduces the concept of experience management in multi-agent systems for supply chain management and develops a unified model for cooperation, negotiation, trust, and deceptionpresents software agents in the supply chain. Chapter Xexplains the Trading E-Coalition Modeling for Supply Chain by Pierre F. Tiako, proposes an appropriate infrastructure for modeling and coordinating e-business processes using e-coalitions (i.e., support for collaborations with supply chain partners over the Internet). It discusses EDI systems and EDI over the Internet.

Section III :Best Practices and Performance Management of E-supply Chain

Chapter XIE-Supply Chain System at Valvex and Its Integration with ERP Systems byRaktim Pal, Indranil Bose, and Alex Ye, presents a case study on a leading Chinese manufacturer of industrial valves that successfully integrated the ERP systems from Entreplan and an SCM system from Excelvision. Chapter XIICoordination of a Supply Chain with Satisficing Objectives Using Contracts by Chunming (Victor) Shi and Bintong Chen, studies a decentralized supply chain consisting of a supplier and a retailer, both with the satisficing objective or performance targets.Chapter XIIIInformation Feedback Approach for Maintaining Service Quality in Supply Chain Management by R. Manjunath, considers a feedback mechanism that conveys the status of the supply chain, starting from the tail end with the pre-specified service quality as seen by the end user of the supply chaChapter XIVPerformance Management by Srikanth Srinivas, designs a performance management framework that helps firms choose, implement, and get significant benefits from e-supply chain technologies. The framework combines critical variables, balanced scorecard, and capability maturity.

The Author discusses a list of leading technologies related to -supply chain technologies for management and business applications with the implementations of case lets / case studies from business context. The Illustrated book comes with lot of diagrammatic representation and practical applications in the real world. This book is for professionals, researchers, and practitioners who want to explore/understand the concepts and principles of the e-supply chain and want to apply various e-supply chain models and systems to solve business problems. Each chapter is designed to be stand-alone, and thus readers can focus on their interested topics.