

EXPLORING PARAMETERSTO MEASURE EFFECTIVENESS OF INFORMATION TECHNOLOGY-ENABLED SUPPLY CHAIN

D V K Jain
Prashant Kumar and Siddhey

Abstract

Supply Chain Management (SCM) is a concept that has emerged in the organizational context. Properly implemented, SCM requires proper execution, having an aim on all nodes in the supply chain process. Information technology is a common unit for information throughout the supply chain. This study aims to explore the effectiveness of IT-enabled SCM in periodic reviews. The study aims to explore the effectiveness of IT-enabled SCM in periodic reviews. The study aims to explore the effectiveness of IT-enabled SCM in periodic reviews.

been using as a tool for the exchange of information in organizations. This has led to the emergence of IT-enabled SCM. The study aims to explore the effectiveness of IT-enabled SCM in periodic reviews. The study aims to explore the effectiveness of IT-enabled SCM in periodic reviews.

Keywords: Supply chain, Information System, Integration, Information System, Manufacturing, Logistics

Effectiveness of Supply Chain

Introduction: In today's global business scenario, competition is not only by cost but also by service. This has led to the emergence of IT-enabled SCM. The study aims to explore the effectiveness of IT-enabled SCM in periodic reviews. The study aims to explore the effectiveness of IT-enabled SCM in periodic reviews.

Information technology has become a key factor in the success of organizations. This has led to the emergence of IT-enabled SCM. The study aims to explore the effectiveness of IT-enabled SCM in periodic reviews. The study aims to explore the effectiveness of IT-enabled SCM in periodic reviews.

Prof. P. K. Jain, Prof. S. K. Jain, Prof. S. K. Jain, Prof. S. K. Jain, Prof. S. K. Jain, Prof. S. K. Jain, Prof. S. K. Jain, Prof. S. K. Jain, Prof. S. K. Jain, Prof. S. K. Jain

Dr. P. K. Jain, Dr. S. K. Jain, Dr. S. K. Jain, Dr. S. K. Jain, Dr. S. K. Jain, Dr. S. K. Jain, Dr. S. K. Jain, Dr. S. K. Jain, Dr. S. K. Jain, Dr. S. K. Jain

Researcher in SCM and IT, IIT Bombay, India

Researcher in SCM and IT, IIT Bombay, India

bedful of development measures and costs
and Karem et al (2005) focus on post-dominant

glat Zhu and Karem et al (2002) Zhu
uere in this

The various modules available in a
system Decision support system R et al
each module is not a whole exercise of
communication among them There is a need to identify
modules that are of point to be viewed
instead of a single property Secondly, these
have only accuracy and availability
proper execution of IT enabled supply chain can be
Fourth, there is a need to upgrade IT system for
business environment and market Final
in accordance with various systems in
supply chain The following parameters

support SCM Inventory control
solution A case study of
there is a need to identify the
unique measures in breach
every kind of module needs to be
successful support can be
flexible in a broad field,
ensured by training the staff
responding to changing and changing
the platform structure of IT
and management various modules in
has been identified:

	Information Technology Enabled Supply Chain	
1	Implementation of information technology.	Cimino et al (2010)
2	Training personnel for implementation maintenance & proper execution of supply chain information system	Cimino et al (2010)
3	Availability of data & information when required.	
4	Information calculation & sharing with suppliers, customers and within the organization.	Lee (2000) Rai et al (2006)
5	Time availability of information.	
6	Upgrade of supply chain information system.	Kachru (2009)
7	Flexibility of information system according to supply organization and customers	Lee (2000) Rai et al (2006)
8	Structure of information system.	Dong et al (2009)
9	Handling various supply chain activities through information system.	Lee (2000) Rai et al (2006)

Sample Solution:

From her above the literature only four but all are more than 70% and the remaining are all parametric based for

variables and how variables are related to each other. The objective of this study is

6. Conclusion:

Measuring the efficiency of supply chain is essential for the proper and desired performance of the supply chain. The study explored the parametric and non-parametric methods to measure the efficiency of supply chain.

in particular, the organization's supply chain performance is measured by the efficiency of the supply chain. There could be several reasons for the

7. References

1. Akca, R. V. (2005) 'Supply Chain Management: Concepts and Cases' Prentice Hall, New Delhi, India.
2. Barua, A. K. and Anand, B. W. (2004) 'An Empirical Investigation of the Effect of Business Value on Supply Chain Performance' *Journal of Business Logistics*, 28(4), 585-620.
3. Chin, A. L. and Goh, M. (2010) 'A Generalized Supply Chain Model and Case Studies' *International Journal of Computer Science*, 7(1), 1-9.
4. Devaraj, R. K. (2003) 'Performance Impact of Information Technology: A Study of the Supply Chain Management' *Journal of Management Information Systems*, 19(4), 273-289.
5. Dong, S. X. and Xu, H. K. (2009) 'Information Technology in Supply Chain Management: A Review' *International Journal of Information Systems*, 1(1), 1-12.
6. Fichtman, R. G. (2000) 'The Diffusion and Adoption of Information Technology Innovation in the Firm: A Review of the Literature' *Journal of Management Information Systems*, 17(1), 1-12.
7. Gunasekaran, A. (2004) 'Supply Chain Management: A Review' *International Journal of Information Systems*, 1(1), 1-12.
8. Hand, C. M. (1996) 'Supply Chain Management: A Review' *International Journal of Information Systems*, 1(1), 1-12.
9. Kahn, J. (2009) 'Exploring the Supply Chain: Theoretical Foundations' *Journal of Management Information Systems*, 17(1), 1-12.
10. Lee, H. L. K. and C. S. Tang (2000) 'The Evolution of Supply Chain Management' *Journal of Business Logistics*, 24(1), 1-12.
11. Lee, H. L. (2004) 'The Top Supply Chain' *Harvard Business Review*, 82(10), 102-112.
12. Porter, M. (1991) 'Towards a Dynamic Theory of Strategy' *Strategic Management Journal*, 12(1), 95-117.

13. PortM (2001) Strategy and the Internet. Harvard Business Review 79(6) pp63-78.
14. RadadS(2006) 'Marketing Effectiveness through Training and Exercise Programs: A National Technology-Mediated Examination of Co-Operative Learning'. Journal of Management Education 40(1) pp1-15.
15. RajAR, PatayakunN, Patayakun(2006) 'Digital Enabled Supply Chain Integration Capabilities: A Study of Indian Manufacturing Firms'. International Journal of Information Systems and e-Business Management 4(2) pp225-246.
16. SambamurthyV, A BhardwajV, Grover(2003) 'Societal Implications of the Role of Information Technology in the Performance of Financial Institutions: A Study of Indian Banks'. Journal of Management Information Systems 20(2) pp237-263.
17. VijaySK, JayaramD, GeorgeCC, et al. (2003) 'The Effect of an Integrated Supply Chain Strategy on Customer Service Performance: A Study of Indian Retailers'. International Journal of Operations and Production Management 23(4) pp523-539.
18. WadeM, Hulland(2004) 'The Resource-Based View of Information Systems Research: Extension and Suggestion'. MIS Quarterly 28(1) pp107-142.
19. Zhu, K., Kraemer(2002) 'E-Commerce Models for Organizations: A Single-Vendor E-Commerce Manufacturing Sector Information Resource'. Journal of Management Information Systems 19(2) pp17-54.
20. Zhu, K., Kraemer(2004) 'Information Technology in E-Business Environment: An International Perspective'. Journal of Management Information Systems 21(1) pp17-54.
21. Zhu, K., Kraemer(2005) 'Positioning E-Business by Organizations: Cross-Country Evidence of Information System Resources'. Journal of Management Information Systems 22(1) pp61-84.