Semester	IV	Specialization	Supply Chain Management
Course Code	404SCM	Type	Subject Core
Course Title	Knowledge Management in Supply Chains		

Course Objectives:	
1	To know Supply Chain Systems Classification
2	To understand the role of IT as an enabler of Supply Chain Management for today's businesses

Syllabus:

Unit Number	Contents	Number of Sessions
1	**Supply Chain IT Framework:** Supplier Relationship Management, Internal Supply Chain Management, Customer Relationship Management, Transaction Management Foundation	7 + 2
2	**Supply Chain Information Systems:** SC Information System classification, Requirement Analysis for Information Systems in SC, Information for Strategic SC decisions, Risks & Challenges in implementing SC Information Systems, Benefits of SC Information Systems	7 + 2
3	**Digital Markets & Efficient Supply Chains:** Web enabled Supply Chains, Technological impact of SC disintermediation, Reconfiguration of SC, Pure technology applications in SC, Process Improvements - technology adoption	7 + 2
4	**E-Supply Chain Opportunities:** E business & SCM – Upstream Perspective, B-2-B Perspective, E supply chain opportunities - e procurement, e fulfillment, auctions & reverse auctions, collaborative demand planning, intranets, extranets & VPN, Benefits to SMEs & MSMEs	7 + 2
5	**Technology Standards:** Overview of Information Technology infrastructure – interface devices, system architecture, e-commerce. Service oriented architecture – Introduction to ERP. Applications of Bar coding & scanning, RFID, EPOS, Global data synchronization, Image Processing, GPRS	7 + 2

Learning Resources:		
1	Text Books	Supply Chain & Logistics Management by Bowersox, Closs & Cooper, TMGH, 2nd Edition.
		Supply Chain Management – Strategy, Planning and Execution by Sunil Chopra, Peter Meindl, D V Kalra, Pearson Education, 3rd Edition
		Supply Chain Management Process, System & Practice by N.Chadrasekaran, Oxford, 1st Edition

		Supply Chain Strategies: Customer Driven and Customer Focused by Tony Hines, Elsevier, 2008
2	Reference Books	Designing & Managing the SC – Concepts, Strategies & Case studies by Levi, Kaminsky et. al., TMGH, 3rd Edition.
3	Supplementary Reading Material	New Directions in Supply Chain Management: Technology & Strategy Implementation by Tonya Boone and Ram Ganeshan, Jaico Publishing, 2007
4	Websites	www.supplychainmanagement.in
5	Journals	Explicating the Mediating Role of Integrative Supply Management Practices in Strategic Outsourcing: A case study analysis by Narasimhan, Ram; Narayanan, Sriram; Srinivasan, Ravi., International Journal of Production Research, Jan2010, Vol. 48 Issue 2 Intra-Organizational Perspectives On IT-Enabled Supply Chains by Singh, Nitin; Kee-hung Lai; Chen, T. C. E.. Communications of the ACM, Jan2007, Vol. 50 Issue 1 E-Enabled Closed-Loop Supply Chains by van Nunen, Jo A. E. E.; Zuidwijk, Rob A. California Management Review, Winter2004, Vol. 46 Issue 2 The Role of Trust and Collaboration in the Internet-enabled Supply Chain by Grossman, Martin., Journal of American Academy of Business, Cambridge, Sep 2004, Vol. 5 Issue 1/2