ERP & SUPPLY CHAIN MANAGEMENT
(Professional Elective-II)

Course Code : 15IT1103

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Course Outcomes:

At the end of the Course, the Student will be able to:

CO 1 Describe need for enterprise business software.

CO 2 Describe enterprise business software packages/models

CO 3 Recognize importance of Supply chain to run organization successfully.

CO 4 Distinguish different supply chain metrics.

CO 5 Describe key requirements of IT in supply chain.

UNIT-I   (10 Lectures)

ENTERPRISE: An Overview, Benefits of ERP, ERP and related technologies, Business Process reengineering, Data Warehousing, Data Mining, On-line Analytical Processing (OLAP).Implementation life cycle, Implementation methodologies, Vendors and consultants, Contracts with vendors, consultants and employees, project management and monitoring.

UNIT-II   (10 Lectures)

BUSINESS MODULES OF AN ERP PACKAGE:

Finance, Manufacturing (production), Human Resources, Plant maintenance, Materials management

UNIT-III   (10 Lectures)

ERP MARKETPLACE AND MARKETPLACE DYNAMICS:

SAP AG, Oracle Corporation, People Soft, JD Edwards, QAD Inc., SSA Global, Lawson Software, Epicor, Intuitive.

UNDERSTANDING THE SUPPLY CHAIN :

What is supply chain?, Historical Perspective, the objective of a supply chain, the importance of supply chain decisions, decision phases in supply chain , process view of a supply chain, examples of supply chains.

UNIT-IV   (10 Lectures)

SUPPLY CHAIN PERFORMANCE:

Achieving strategic fit and scope: Competitive and supply chain strategies, achieving strategic fit, expanding strategic scope, obstacles to achieve strategic fit.

UNIT-V   (10 Lectures)

INFORMATION TECHNOLOGY IN A SUPPLY CHAIN:

The role of IT in a supply chain, the supply chain IT framework, Customer relationship management, internal supply chain management, supply relationship management, the transaction management foundation, the future of IT in a supply chain, Risk management in IT, supply chain IT in practice, IT System selection processes - Indian Approach and Experiences.

TEXT BOOKS:

1. Alexis Leon, "ERP Demystified", 2ndEdition, Tata McGraw-Hill, 2008

2. Sunil Chopra, Peter meindl, D. V. Karla, "Supply Chain Management, Strategy, Planning and operation", 4th Edition, Pearson, 2011.

REFERENCES:

1. Vinod Kumar, Vekata Krishna, "Enterprise Resource Planning-Concepts and Planning", 2nd Edition, PHI, 2011.

2. David Simchi-Levi, Philip Kaminsky, and Edith Simchi-Levi, "Designing and Managing the Supply Chain: Concepts, Strategiesand Case Studies", 2ndEdition, TMH, 2003.