

DSE (stream) Modern Office Management

Enterprises Resource Planning

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course (if any)
		Lecture	Tutorial	Practical/ Practice		
Enterprise Resource Planning	4	3	0	1	Pass in Class XII	NIL

Learning Objectives:

To provide students with a comprehensive understanding of ERP concepts, implementation strategies, business process reengineering, and project management techniques for successful enterprise system deployment.

Learning Outcomes:

After completion of the course, learners will be able to:

1. Describe the key concepts and principles of ERP.
2. Perform a comprehensive analysis of business scenarios for ERP implementation.
3. Apply Business Process Reengineering methodologies to real-world situations.
4. Demonstrate project management and change management techniques.
5. Formulate plans to control and track ERP projects for successful implementation.

Course Contents:

Unit 1: Introduction to ERP (10 hours)

ERP Concepts – Enterprise Systems – Evolution of ERP – Tangible and Intangible Benefits – Emerging Trends in ERP Adoption – ERP Implementation Stages – Case Study.

Unit 2: Pre-Implementation Stage (11 hours)

Need Analysis – Competitive Environment Analysis – Gap Analysis – Cost Elements – Feasibility Analysis – ERP Modules – ERP Industry Verticals – ERP Architecture – ERP Software, IFS, PeopleSoft; Comparison of ERP Software – ERP Package Evaluation Criteria – Package Life Cycle – Request for Information (RFI) – Functional Requirement Specification – Request for Proposal (RFP) – Vendor Selection – ERP Consultants – Case Studies.

Unit 3: Implementation (12 hours)

Business Process Reengineering Concepts – Reengineering and Process Improvement – BPR Steps – AS-IS and TO – BE Analysis – Modelling Business Process – Successful BPR – Reengineering – Organisational Readies – Implementation Approaches

Unit 4: Project & Change Management (12 hours)

Project Management in ERP – Project Team Structure (Steering Committee, Project Manager, Functional Team, IS Team, Security Specialists) – Project Deliverables – Change Management – System Integration – Integration Standards – Middleware – Forward and Reverse Engineering.

Practical Exercises (30 hours)

The learners are required to:

1. Perform a need analysis and gap analysis for an organization planning to adopt ERP.
2. Compare any two ERP systems such as SAP and Oracle based on features, cost, and suitability.
3. Develop an AS-IS and TO-BE model for a selected business process and explain the role of Business Process Reengineering.
4. Prepare a basic ERP project plan including team structure, deliverables, and change management strategies.

Suggestive Readings:

- Liaquat Hossain, Jon David Patrick, and M.A. Rashid; *Enterprise Resource Planning: Global Opportunities & Challenges*; Idea Group Publishing.
- Mahadeo Jaiswal and Ganesh Vanapalli; *Text Book of Enterprise Resource Planning*; Macmillan India Ltd., Chennai, 2005.
- Alexis Leon; *Enterprise Resource Planning Demystified*; Tata McGraw-Hill Publishing Company Ltd., New Delhi, 2004.

Note: Suggested readings will be updated by the Department of Commerce and uploaded on Department's website