

Kadi Sarva Vishwavidyalaya
Master of Computer Application (MCA)
Year – II (Semester – IV) (W.E.F. January 2015)
Subject Name: Enterpriser Resource Planning – MCA402

Sub Total Credit	Teaching scheme		Examination scheme				Total Marks
	(per week)		MID	CEC	External		
	Th	Pr	Th	Th	Th.	Pr.	
3	3	0	25	25	50	0	100

Course Description:

ERP has revolutionized the way corporate treat information today. The subject will provide awareness about the ERP concepts and the technologies, which bridges gap between you, your business associates and customers. The fitting requirements of ERP packages in different industrial domains are also emphasized. It also helps in understanding how companies have implemented ERP successfully.

Course Objectives:

The objective of this course is to expose students to the concepts of Information Systems (MIS & DSS) & Enterprise Resource Planning (ERP) that address the inter-functional comprehensive view of an enterprise. ERP systems integrate the information across the functions of the organization such as accounting, finance, marketing, production, and human resource development. ERP systems also embed the organizational processes leading to process discipline. Having integrated information systems and tightly integrated processes, ERP systems effectively support managerial decision-making. This course is also inclined to provide students with the knowledge of process of MIS development.

Learning out Comes: On completion of this course, students will be able to:

- Understanding Concept of Information System & its categories.
- Understanding process of Decision Making, MIS &DSS.
- Understand ERP’s fundamental concepts
- Understand ERP’s role in supply chain management in a modern enterprise
- Understand ERP implementation issues and business process reengineering

Pre-requisites:

Information System, System Analysis, System Design, Management Information System

Content:

UNIT – I [20%]

Introduction to Information System

[06 Lectures]

Concept of a System, Types of System, Control Elements & Characteristics of System, Information System & its categories, Types of End-Users, Role & Significance of MIS & DSS, Differences between Traditional Management & Modern Management.

Introduction of ERP**[06 Lectures]**

Concept of Enterprise, ERP Overview, Integrated information system, The role of Enterprise, Business Modeling, Myths about ERP, Basic ERP Concepts, Intangible benefits of ERP, Justifying ERP investment, Risks of ERP, Benefits of ERP

UNIT – II [20%]**ERP related Technology****[04 Lectures]**

Business Intelligence, Data ware housing, Data mining, OLAP, Business Process Reengineering, SCM, CRM, ERP Security

ERP Implementation**[08 Lectures]**

ERP Lifecycle implementation, implementation Methodologies, ERP package selection, Reasons for failure and reasons for success of ERP implementation, Vendors, Consultants and Users.

UNIT – III [20%]**Modules of ERP: Basic modules of ERP Package****[08 Lectures]**

Human Resources Management, Financial Management, Inventory Management, Quality Management, Sales and Distribution

UNIT – IV [20%]**ERP Market****[08 Lectures]**

SAP AG, People Soft, Baan Company, JD Edwards, Oracle Corporation, QAD and System Software Associates (SSA).

UNIT – V [20%]**Cases of ERP and Enterprise Application****[08 Lectures]****Explore different ERP Case Studies****Study References for ERP Case Studies:**

ERP Demystified by Alexis Leon : Appendix B -ERP Case Studies

Enterprise Resource Planning Text & Cases by Rajesh Ray : Section 6 - Case Studies

Total: 48 Lectures**Text Book:**

- 1) Alexis Leon "ERP Demystifies" of TMH, Second Edition
- 2) Rajesh Ray "ERP text and cases " of TMH, First Edition

References:

- 1) Vinod Kumar Garg "Enterprise Resource Planning Concepts and Practice", Second Edition of PHI Edition 2008.
- 2) David L. Olson, "Managerial issues of Enterprise Resource Planning systems" Of TMH Edition 2004.
- 3) Ellen Mon, Bret Wagner "Concepts in ERP", Second Edition of Cengage Learning.
- 4) Ashim Raj Singla " Enterprise Resource Planning", of Cengage Learning, First Edition