M.Comm (E-Commerce) Semester IV
Course Title -: Enterprise Resource Planning and Management.

Course Code -:406
Objectives -:
    1. To know what is ERP.
    2. To learn different ERP technologies.

Ch. No.	Topic	No. of Lect.	Reference Books
1	**1. ERP : An Overview** 1.1. What is ERP. 1.2. Reasons for Growth Of ERP 1.3. Problem areas in ERP implementations. 1.4. The future of ERP 1.5. Characteristics and features of ERP 1.6. Benefits of ERP.	**04**	**1,2**

2	**2.Enterprise Modeling and Integration for ERP**
	
	2.1.Enterprise-An overview
	2.2.What is enterprise
	2.3.Integrated Management Information
	2.4.The role of enterprise
	2.5.Business modeling
	2.6.Integrated Data Model
	2.7.Role of Common/Shared Enterprise Database
	2.8.Linkages of the Enterprise
	    2.8.1.Establishing Customer-Enterprise Link
	    2.8.2.Establishing Vendor-Enterprise Link
	    2.8.3.Establishing Links within the Enterprise
	    2.8.4.Establishing Links with Environment
	2.9. Scope of Enterprise system
	2.10.Generic Model of ERP System
	2.11.Client/Server Architecture and Enterprise –
	        wide Computing
	    2.11.1. Characteristics of client/Server Architecture
	    2.11.2. Different Components of ERP Client/Server
	           Architecture
		07	**1,2**

3	3. ERP And related Technologies	07	1,2

	3.1.BPR(Business Process reengineering)
	  3.1.1.Definition
	3.2.BPR –The different phases
	3.3.Enterprise Redesign Principles
	3.4.BPR and IT
	3.5.Data Warehousing
	3.6.Data Warehouse Components
	3.7.Structure and Uses of Data Warehouse
	3.8.Data Mining
	3.9.What Is Data Mining
	3.10.Data Mining Process
	3.11.Advantages and Technologies Used In Data Mining
	3.12.OLAP
	3.13.Supply Chain Management
	  3.13.1.Definition
	  3.13.2.Stevan's Model
	  3.13.3.Benefits
	  3.13.4.ERP Vs SCM
	3.14.CRM		

4	4. ERP Implementation	07	1,2
	4.1.Evolution 4.2.Evolution of ERP. 4.3.Evolution of Packaged Software Solutions. 4.4.The Obstacles in ERP implementation. 4.5.ERP Implementation Lifecycle (Different Phases). 4.6.Implementation Methodology. 4.7.ERP Implementation-The Hidden Costs. 4.8.In-house Implementation-Pros and Cons 4.9.Vendors and role of vendors for ERP 4.10.Consultants and role of consultants for ERP.		
5	5. Technologies In ERP System	07	2

	5.1.Introduction
	5.2.Electronic Data Interchange(EDI)
	  5.2.1.Use of EDI
	  5.2.2.Evolution of EDI
	  5.2.3.Benefits of the EDI
	  5.2.4.EDI Standards
	  5.2.5.EDI Services
	  5.2.6.EDI Components
	  5.2.7.EDI Administration
	5.3.IDoc Application
	5.4.EDI Integration
	5.5.ALE Integration		

	5.6.Internet Integration 5.7 OCR Integration		

6	**6.The ERP Domain**
	6.1.Vendors in the ERP Market.
	6.2.SAP's Markets
	    6.2.1.SAP Architecture And Integration
	    6.2.2.Scalability of SAP
	    6.2.3.SAP Business Structure
	    6.2.4.Common SAP Installation
	    6.2.5.SAP R/3 System
	    6.2.6.SAP Tools
	6.3.Pepole Soft.
	6.4.Jd Edwards
	6.5.Oracle
		07	1,2

7	**7. ERP Present and Future** 7.1. Limitations of ERP 7.2. EIA(Enterprise Integration Application) 7.3. EIA Products 7.4. Two Flavors of EIA and Messaging 7.5. ERP And E-Commerce 7.6. ERP and Internet. 7.7. Future Directions in ERP.	06	1
	Total	45	

Recommended Books

1. ERP : Demystified – Alexis Leon (Tata McGraw Hill)
2. ERP – Ravi Shankar and S. Jaiswal (Galgotia)