

Enterprise Resource Planning and Management

Semester IV	Subject Code: BC41604	Lectures: 60
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Objectives:

The course is designed to equip students with,

- The knowing of ERP
- Learning of different ERP technologies
- An Understanding of the business process of an enterprise
- The ability to grasp the activities of ERP project management cycle

Unit 1: ERP : An Overview	03
<ul style="list-style-type: none"> • Introduction and definition ERP • Characteristics and features of ERP • Benefits of ERP. • Reasons for Growth of ERP 	

Unit 2: Enterprise Modeling and Integration for ERP	12
<ul style="list-style-type: none"> • Enterprise-An overview • Integrated Management Information • The role of enterprise • Business modeling • Integrated Data Model • Role of Common/Shared Enterprise Database • Linkages of the Enterprise <ul style="list-style-type: none"> ➤ Establishing Customer-Enterprise Link ➤ Establishing Vendor-Enterprise Link ➤ Establishing Links within the Enterprise ➤ Establishing Links with Environment • Scope of Enterprise system • Generic Model of ERP System • Client/Server Architecture and Enterprise –wide Computing • Characteristics of client/Server Architecture • Different Components of ERP Client/Server 	



Unit 3: ERP And related Technologies	12
<ul style="list-style-type: none"> • BPR(Business Process reengineering) <ul style="list-style-type: none"> ➤ Definition ➤ BPR –The different phases • Enterprise Redesign Principles • BPR and IT • Data Warehousing <ul style="list-style-type: none"> ➤ Data Warehouse Components ➤ Structure and Uses of Data Warehouse • Data Mining <ul style="list-style-type: none"> ➤ Data Mining Process ➤ Advantages and Technologies Used In Data Mining • OLAP • Supply Chain Management <ul style="list-style-type: none"> ➤ Definition ➤ Stevan's Model ➤ Benefits ➤ ERP Vs SCM • CRM 	

Unit 4: ERP Implementation	12
<ul style="list-style-type: none"> • Evolution of ERP. • Evolution of Packaged Software Solutions. • ERP package Selection <ul style="list-style-type: none"> ➤ ERP Selection -A Two Step Process ➤ Criteria for initial package screening ➤ Initial package Short listing ➤ Deviations in package selection ➤ Finalizing the contract with ERP Package vendor • The Obstacles in ERP implementation. • ERP Implementation Lifecycle (Different Phases). • Implementation Methodology. • ERP Implementation-The Hidden Costs. • In-house Implementation-Pros and Cons • Vendors and role of vendors for ERP • Consultants and role of consultants for ERP. 	



Unit 5:- Techniques in ERP System	9
<ul style="list-style-type: none">• Introduction• Electronic Data Interchange(EDI)<ul style="list-style-type: none">➤ Use of EDI➤ Evolution of EDI➤ Benefits of the EDI➤ EDI Standards➤ EDI Services➤ EDI Components• IDoc Application• EDI Integration• ALE Integration• Internet Integration• OCR Integration	

Note: Case study and assignment evaluation based on above units

***Contact hours – 12 hours**

Text Books:

- ✓ 1. *Enterprise Resource Planning and Management* , Sachin Kulkarni, Tech-max Publication Dec.2014
- ✓ 2. *Enterprise Resource Planning and Management* ,Jyotindra Zaveri, Nirali Prakashan June 2014

Reference Books:

- 1 Alexis Leon, *ERP :Demystified*, Tata Mc Graw Hill
- 2 Ravi Shankar and S. Jaiswal, *ERP*
- 3 Rajesh Ray , *ERP* ,Tata Mc Graw Hill

