



Marwadi University

Bachelor of Computer Application

Semester IV

Subject Code: 05BC0402

Subject Name: Enterprise Resource Planning (ERP)

Learning Objectives:

- 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.

Prerequisites:

- Nil

Unit	Course Content	Hours
1	Introduction of ERP : 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	06
2	ERP and related Technology : Business Intelligence, Data ware housing, Data mining, OLAP, Business Process Reengineering, SCM, CRM, ERP Security	10
3	Modules of ERP: Human Resources Management, Financial Management, Inventory Management, Quality Management, Sales and Distribution	12
4	ERP for Industries : (A) ERP for manufacturing Industry: ERP for petroleum, GAS companies, ERP for Automobile Industry, ERP for Pharma, ERP for FMCG, ERP for Mining industry etc. (B) ERP for Service Industry: ERP for retail, ERP for healthcare, ERP for Educational Institution, ERP for Telecom, ERP for banks, ERP for Insurance companies	12
5	ERP Implementation : ERP Lifecycle implementation, implementation Methodologies, ERP package selection, Reasons for success / failure of ERP implementation	08

Text Book(s):

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

Reference Book(s):

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

Chapter Wise Coverage from Text Book

Book #1 : Chap- 1,2,3,4,5,6, 7,,15,16,40,
Book #2: Chap- 2, 5, 9, 13, 18, 20, 21, 22, 26, 29,33,35,36