

MC206 ENTERPRISE RESOURCE PLANNING

Objective of the Course:

The objective of the course is to enable students in learning basic concepts of Enterprise Resource Planning so that they can understand how to use the organizational resources effectively.

UNIT - I (08 Hrs)

Introduction to ERP: Overview of ERP, MRP, MRPII and Evolution of ERP, Integrated Management Systems, Reasons for the growth of ERP, Business Modeling, Integrated Data Model, ERP Market.

UNIT - II (18 Hrs)

ERP Technologies: Business Process Re-engineering (BPR)– BPR Process, Clean Slate Re-engineering, Technology Enabled Re-engineering, Myths regarding BPR, Business Intelligence Systems-Data Mining, Data Warehousing, On-Line Analytical Processing (OLAP), Supply Chain Management, Best Practices in ERP.

UNIT - III (12 Hrs)

ERP Modules: Finance, Accounting Systems, Manufacturing and Production Systems, Sales and Distribution Systems, Human Resource Systems, Plant Maintenance System, Materials Management System, Quality Management System, ERP System Options and Selection, ERP proposal Evaluation.

UNIT - IV (14 Hrs)

ERP Implementation, Maintenance and Benefits of ERP: Implementation Strategy Options, Features of Successful ERP Implementation, Strategies to Attain Success, User Training, Maintaining.

UNIT - V (10 Hrs)

ERP & IS. Benefits of ERP: Reduction of Lead Time, On-Time Shipment, Reduction in Cycle Time, Improved Resource Utilisation, Better Customer Satisfaction, Improved Supplier Performance, Increased Flexibility, Reduced Quality Costs, Improved Information Accuracy and Decision Making Capabilities.

Text Books:

1. Alexis Leon, ERP (Demystified Hrs), 5/E, Tata McGraw-Hill, 2006.
2. David L Olson, Managerial Issues of Enterprise Resource Planning Systems, McGraw Hill, International Edition-2006.

Reference Books:

1. Sinha; Enterprise Resource Planning, Cengage Learning, New Delhi, India, 2008
2. Vaman, ERP in Practice, Tata McGraw-Hill , 2007