

Proposed Syllabus for M.Com (Banking & Insurance)

Course Name: Enterprise Resource Planning
Course Code: 403

Semester: IV
Marks Distribution: 20+10+70

1. Induction to ERP: Overview of ERP, MRP, MRP II and Evolution of ERP, Integrated Management Systems, Reasons for the growth of ERP, Business Modeling, Integrated Data Model, Foundations of IS in Business, Obstacles of applying IT, ERP Market.
2. IS Models: Nolan Stage Hypothesis, IS Strategic Grid, Wards Model, Earl's Multiple Methodology, Critical Success Factors, Soft Systems Methodology, Socio-Technical Systems Approach (Mumford), System Develop life cycle, Prototype and End User Computing, Application Packages, Outsourcing, Deciding Combination of Methods.
3. Business Process Re-Engineering (BPR): BPR process, Clean State 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 Practice in ERP.
4. ERP Modules: Finance, Accounting Systems, Manufacturing and Production Systems, Sales and Distribution Systems, Human Resources Systems, Plant Maintenance Systems, Materials Management Systems, Quality Management Systems, ERP System, Option and Selection, ERP Proposal Evaluation.
5. Benefits of ERP: Reduction of Lead Time, On-Time Shipment, Reduction in Cycle Time, Improved Resource Utilization, Better Customer Satisfaction, Improved Supplier Performance, Increased Flexibility, Reduced Quality Cost, Improved information, Accuracy and Design Making Capabilities.
6. ERP Implementation and Maintenance: Implementation Strategy Options, Features of Successful ERP Implementation, Strategies to Attain Success, User Training, Maintaining ERP & IS.