

Name of the Subject: ENTERPRISE RESOURCE PLANNING
Course Code and Subject Code: IS 442, ERP
Course Credit: FULL (50 SESSIONS OF 60 MINUTES EACH)

Course Description:

This course aims to highlight the integration of business processes and computer applications across business functions and also demonstrates how organizations are represented in an ERP system very broadly. This course studies Enterprise Resource Planning (ERP) systems, its scope, implementation issues and the organization's motivation for implementation such systems. The topics include ERP concepts, implementation methodologies, evaluation of ERP Systems, and the various ERP Modules. The students will comprehend the implementation process and will be able to play a pivotal role in an ERP implementation.

Evaluation pattern:

Class participation and Attendance	10%
Quizzes, presentation and Assignments	20%
Mid Term Examination	30%
End Term (University) Examination	40%

Pedagogy:

- Lectures
- Case study
- Minor projects

Session	Course Content	Percentile weightage
1 - 4	Introduction to ERP, Basic Concepts of ERP	5%
5 - 8	Justifying ERP Investments, Risks of ERP , Benefits of ERP	5%
9 - 12	ERP Implementation Challenges, ERP Implementation (Transition) Strategies	5%
13 - 17	ERP Implementation Life Cycle, Pre-implementation Tasks, Requirements Definition	10%

18 - 20	Implementation Methodologies, Package Selection, ERP Project Teams	8%
21 - 23	Process Definition, Vendors and Consultants, Dealing with Employee Resistance	5%
24 - 28	Contracts with Vendors, Consultants and Employees, Training & Education	10%
29 - 33	Data Migration, Project Management & Monitoring, Post Implementation Activities, Success & Failure Factors of an ERP Implementation	10%
34 - 36	Operation and Maintenance of the ERP System, Measuring the Performance of the ERP System. Maximizing the ERP System	5%
37 - 41	Finance Module of an ERP Package Manufacturing Module of an ERP Package	10%
42 - 44	Human Resources Module of an ERP Package Materials Management Module of an ERP Package	7%
45 - 50	Quality Management Module of an ERP Package Marketing Module of an ERP Package Sales, Distribution & Service Module of an ERP Package	5%

Text Book:

1. ERP Demystified Alexis Leon, 2nd Edition Tata McGraw Hill Education Pvt. Ltd

Reference Books:

1. Enterprise Resource Planning, Mary Sumner, Pearson Education
2. ERP Concepts and Planning, Garg & Venkitakrishnan, PHI
3. Enterprise Resource Planning, Rajesh Ray, Tata McGraw Hill Education Pvt. Ltd