SYMBIOSIS COLLEGE OF ARTS & COMMERCE
An Autonomous College | Under Savitribai Phule Pune University
Reaccredited 'A+' with 3.51 CGPA For Third Cycle By NAAC | College with Potential for Excellence

Course Title	**Enterprise Resource Planning (ERP)**
Paper Number (In case of Specialization)	Costing Honours - Core Paper - 2

Objectives:
1. To understand the basic concept of ERP systems
2. To study the steps and activities in the ERP life cycle
3. To develop a process driven thinking towards business processes

Learning Outcomes:
After studying this Paper, Students will be able to;
1. Demonstrate a good understanding of the basic issues in ERP systems
2. Analyse the strategic options for ERP identification and adoption
3. Design the ERP implementation strategies
4. 4. Understand the need of Business Systems and Processes through strategic analysis of ERP systems

Gist of this Course:
This course aims at studying and understanding ERP systems

Unit	Contents of the Course	No. of Lectures
1	**Introduction to ERP** 1. Evolution of ERP; 2. what is ERP? 3. Reasons for the Growth of ERP; 4. Scenario and Justification of ERP in India; 5. Evaluation of ERP; 6. Various Modules of ERP; 7. Advantage of ERP.	04
2	**An Overview of Enterprise** 1. An Overview of Enterprise; 2. Integrated Management Information; 3. Business Modeling; 4. ERP for Small Business; 5. ERP for Make to Order Companies; 6. Business Process Mapping for ERP Module Design; 7. Hardware Environment and its Selection for ERP Implementation.	04
3	**ERP and Related Technologies** 1. ERP and Related Technologies; 2. Business Process Reengineering (BPR); 3. Management Information System (MIS); 4. Executive Information System (EIS); 5. Decision support System (DSS);	10

	6. Supply Chain Management (SCM).	
4	**ERP Market** 1. Introduction, SAP AG, Baan Co, Oracle Corporation, People Soft, JD Edwards World Solutions Company, System Software Associates, Inc. (SSA); QAD; 2. A Comparative Assessment and Selection of ERP Packages and Modules.	10
5	**ERP Implementation Lifecycle** 1. Issues in Implementing ERP Packages; 2. Pre-evaluation Screening; 3. Package Evaluation; 4. Project Planning Phase; Gap Analysis; Reengineering; Configuration; Implementation; Team Training; Testing; Going Live; End-User Training; Post Implementation (Maintenance Mode).	06
6	**Selection of ERP Vendors** 1. Vendors; 2. Consultants and Users; 3. In-House Implementation - Pros and Cons; 4. Vendors; Consultants; End User.	06
7	**Future Directions in ERP** 1. New Markets; 2. New Channels; 3. Faster Implementation Methodologies;	06
8	**Other Related Technologies of SCM** 1. E-Procurement; 2. E-Logistics; 3. Internet Auctions; 4. E-markets; 5. Electronic Business Process Optimization; 6. Business Objects in SCM; 7. E commerce.	08
Total Number of Lectures		54
Teaching Methodology	1. Classroom Sessions. 2. Guest Lectures. 3. Simulation Exercises 4. Presentations. 5. Case Studies.	
Projects/Field Work as part of Continuous Assessment (Research Paper) and		Yes

Suggested Print Resources:

1. Manufacturing Resource Planning (MRP II) with Introduction to ERP; SCM; an CRM by Khalid Sheikh, Publisher: McGraw-Hill
2. The Impact of Enterprise Systems on Corporate Performance: A study of ERP, SCM, and CRM System Implementations [An article from: Journal of Operations Management] by K.B. Hendricks; V.R. Singhal; and J.K. Stratman, Publisher: Elsevier
3. ERP and Supply Chain Management by Christian N. Madu, Publisher: CHI
4. Implementing SAP ERP Sales & Distribution by Glynn C. Williams, Publisher McGraw-Hill