

MCA604 : ENTERPRISE RESOURCE PLANNING

L	T	P	Cr
2	0	2	3.0

Course Objectives: To make student able to build an understanding of the fundamental concepts of ERP systems, their architecture, and working of different modules in ERP. Students will also able to develop and design the modules used in ERP systems, and can customize the existing modules of ERP systems.

Introduction to ERP: ERP Overview, Benefits, Business process reengineering, ERP implementation life cycle, Options of various paradigms, Supply chain Management, Critical factors guiding selection and evaluation, Strategies for successful implementation, impediments and initiatives to achieve success, Critical success and failure factors, Integrating ERP into organizational culture.

SAP and ABAP: Architecture of SAP, Data types in ABAP, ABAP programming Language, ABAP User Dialogs, Function groups and function modules, Accessing Database Access, open SQL, Native SQL, ABAP Object Orientation, Classes and objects in ABAP, Inheritance, Interfaces, Triggering and Handling Events, ABAP data dictionary, Declarations, selection screens, Formatting and Displaying Data, Program Events, , Dynpros, BSP applications.

SD: Basic functions and master data in SD, Sales orders, Deliveries, Pricing, Billing, Transportation, Credit Management.

MM: Basic functions and master data, Consumption based planning, Purchasing, Inventory management, Evaluation of materials, Invoice verification, Balance sheet evaluation, Material ledger.

Laboratory Work: Implementation of ERP concepts using any ERP package.

Recommended Books

1. Mary Sumner, Enterprise Resource Planning, Pearson Education (2010).
2. Kogent Learning Solutions Inc., SAP ABAP/4 Covers SAP ECC 6.0 Black Book, Dreamtech Press (2009).
3. Bradford M., Modern ERP Systems: Select Implement and Use Today's Advanced Business Systems (2010).
4. Dreamtech Software Team, SAP Architecture, Administration, Basis, ABAP Programming with MM and SD modules, Dreamtech Press (2005).