

Government PG College, Ambala Cantt

Course File(Session 2023-24)

Name of Professor: DR. SHRUTI

Class: BCOM(CAV)/ 6TH SEMESTER

Subject code and Name: BC(VOC)-606/ENTERPRISE RESOURCE PLANNING

Max. Marks: 80
Time: 3 Hours

Internal Marks: 20

Note: Paper setter will set nine questions in all. Question No. 1 comprising of five short types questions carrying four (4) marks each is compulsory. It covers the entire syllabus. Answer to each question should not be more than one page. Candidate is required to attempt four questions from the remaining eight questions carrying 15 marks each.

Enterprise: concept and functions; process approach to business; types of information in business; systems approach to information management; integrated data model; ERP: concept, origin and need, reasons of growth of ERP.

Introduction to ERP technologies: business process reengineering; management information system; decision support system; executive information system; supply chain management system.

ERP modules: finance, sales and distribution, manufacturing, inventory management, CRM, etc., vendors for ERP, implementing ERP solutions.

Practical: The students should analyze any nearby organization/ institutions in terms of the ERP concepts – Systems approach, MIS, etc.

REFERENCES Bret Wagner, Ellen Monk Enterprise Resource Planning, Cengage Learning.

- Vinod Kumar Garg, N.K. Venkitakrishnan, Enterprise Resource Planning: Concepts and Practice,
- Prentice Hall of India Pvt. Ltd. Veena Bansal, Enterprise Resource Planning: A Managerial Perspective, Pearson.
- Mary Sumner, Enterprise Resource Planning, Pearson.

COURSE OBJECTIVES

The course objectives outlined are as follows:

- **Role of Enterprise and Planning:** Describe how information technology and decision support systems contribute to businesses and analyze current issues within firms to solve business problems.
- **Understand the working of organization Systems:** Explore and define Management Information System (MIS) and its characteristics. Identify the components of an MIS. Understand the framework for understanding MIS. Explain Simon's Model of decision- making and distinguish between structured and unstructured decisions.
- **Fundamental Principles of Computer-Based Business Processes Re-engineering:** Introduce the foundational principles of analysing and designing computer-based information systems, fostering an understanding of the techniques and methodologies employed in this process.
- **Impact of Internet Technology on Electronic Commerce and Business:** Enable students to assess the influence of the Internet and Internet technologies on electronic commerce and business operations. Understand the specific risks and vulnerabilities associated with computer systems in this context.
- **Use of ERP Systems in different Organizational Areas:** Provide students with theoretical models used in examining functional ERP in the areas of personnel, financial, and production management.

These objectives collectively aim to equip students with a comprehensive understanding of how information technology, decision support systems, expert systems, internet technology, and database management systems intersect with business operations. By covering these topics, students will be better prepared to analyze, design, and utilize technological solutions to address contemporary business challenges and enhance organizational competitiveness.

COURSE OUTCOMES

After the successful completion of the course, students will be able to:

- Understand the leadership role of ERP in achieving business competitive advantage through informed decision-making.
- Understand the fundamental concepts of systems and their types.
- Apply the systems approach to analyze and solve complex problems.
- Define an information system and recognize its characteristics.
- Identify different types of information and their role in decision-making process.
- Describe the sub-systems of an information system, including BPR and SCM, and their management levels.
- Differentiate between CRM, MIS, and DSS in terms of their functions and applications.
- Analyse and synthesize business information and systems to facilitate the evaluation of strategic alternatives.
- Effectively communicate strategic alternatives to facilitate decision-making.
- Articulate the fundamental principles of information systems analysis and design.
- Demonstrate the skills necessary to conduct a requirements determination study.
- Analyse how information system impacts a firm.
- Interpret how to use information systems to solve business problems.
- Explore decision support systems and their role in planning, control, and decision-making processes.

Lesson Plan

Week No	Scheduled Dates	Topics to be covered
1	1-6 January	Enterprise: concept and functions; process approach to business.
2	8-13 January	types of information in business.
3	15-20 January	systems approach to information management
4	22-27 January	Revision, Test, Assignment-1.
5	29-3 February	Integrated data model.
6	5-10 February	ERP: concept, origin and need, reasons of growth of ERP.
7	12-17 February	Introduction to ERP technologies: business process reengineering. Oral Test.
8	19-24 February	management information system Revision, Test.
9	26-2 March	Decision support system; executive information system.
10	4-9 March	supply chain management system. Oral Test
11	11-16 March	ERP modules: finance,
12	18-23 March	sales and distribution Revision, Test. Assignment-2
13	1-6 April	Manufacturing, inventory management.
14	8-13 April	CRM, etc., vendors for ERP.
15	15-20 April	implementing ERP solutions. Revision, Test,.