Management Information System

Semester IV	Subject Code: BB41605	Lectures: 60

Objectives:

The Syllabus aims in equipping students with,

- To understand the concepts of Information System and importance of information for decision making.
- To acquaint students with different types of Decision Support System.
- To guide students in understanding the System development Life Cycle.
- To study various information systems for functional areas of business (Marketing, Finance, HRM and Productions)

Unit 1: Management Information Systems	10

- Need, Purpose and Objectives
- Components of MIS
- Contemporary Approaches to Management Information Systems (MIS)
- Information as a strategic Resource
- Use of information for competitive Advantage
- Management Information Systems as an instrument for the organizational change

Unit 2: Information, Management and Decision Making	08

- Models of Decision Making
- Classical, Administrative and Herbert Simon's Models
- Attributes of information and its relevance to Decision Making
- Types of information.

Unit 3: Systems Analysis and Design	10

- Concept of System, Characteristics of System
- Types of System
- Systems approach to Information Management

- Law of requisite variety
- Database Management Systems
- Systems Development Life Cycle
  - ➤ Prototyping Model
  - ➤ Waterfall Model

Unit 4: Decision Support Systems	10
- Group Decision Support Systems - Executive Information Systems - Executive Support Systems - Expert Systems - Knowledge Based System - Expert Systems - Artificial Intelligence	

Unit 5: Management Information Systems for Business Operations	10
- Finance and Accounting Information System - Marketing Information System - Human Resource Information System - Production/ Manufacturing Information System	

Recommended Text Books:
1. *Management Information Systems* – Mooon Paiithannkar, Thakur Publication 2. *Management Information Systems* – Oke Jayant, Nirali Publication

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Reference Books:-

1. Laudon and Laudon, *Management Information Systems,* 7th Edition, Pearson Education Asia.
2. Jawadekar, *Management Information Systems,* Tata McGraw Hill.
3. Davis and Olson, *Management Information Systems* ,Tata McGrawHill.
4. Rajaraman, *Analysis and Design of Information Systems* ,PrenticeHall.
5. TurbanandAronson, *Decision Support Systems and IntelligentSystems,*PearsonEducatio Asia
6. Schulthesis, *Management Information Systems* ,Tata McGraw Hill.
7. Sadagopan, *Management Information Systems,* Prentice Hall
8. JayantOke, *Management Information Systems* ⟶ Nirali / Symbiosis-?
9. Dhaminder Kumar & Sangeeta Gupta – Excel Books, *Management Information Systems* (A Computer oriented approaches for business operations)