Management Information System

MIE 123

Semester: Second   **Full Marks: 75**

Credit Hour: 3   **Internal: 30**

                                                            Final Exam: 45

General Objectives:

This includes coverage of design and implementation of MIS, networks and data communications, managerial decision making, and managerial aspects of organizational information systems.

Specific Objectives:

- to know the general concepts of information and management information system.
- To know the technicalities involved in MIS,
- To know about the infrastructure of IT,
- To know the social and ethical issues involved in designing the MIS

COURSE CONTENTS

Unit 1: Foundation of Information system   5 **Hrs**

Information systems in organization, Data and information, Information as resource, Types of information systems, Decision making with MIS, Managing information systems in organization

Unit 2: MIS in a digital firm   **5 Hrs**

Management Information system and it importance in organization, Role and impact of MIS, Management effectiveness and MIS, Contemporary approaches to MIS, Components of MIS, Development process of MIS, Strategic design of MIS, Business process Re-Engineering

Unit 3: Information Systems, Organizations, management and strategy   **8 Hrs**

The changing role of information systems in organizations, Managers, decision making and information system, Information system and business Strategy.

Unit 4: Information technology Infrastructure   **8 Hrs**

Technology of Information systems, Managing data resources, Telecommunications and Networks, Database and client server architecture, Data Warehouse, e-business technology.

Unit 5: Applications of MIS   **8 Hrs**

Applications in manufacturing and service sector, Applications in internet based business sector, Applications in decision support systems and knowledge management, Applications in monitoring organizational performance and information security and control.

Unit 6: Ethical and social impact of Information systems   **5 Hrs**

Ethical and social issues related to systems, Ethics in an information society, The moral dimensions of information systems.

Unit 7: Case studies   **6 Hrs**

References:

1. Management Information Systems, Waman S Jawadekar
2. Management Information Systems: Managing the Digital Firm (9th Edition) by Kenneth C. Laudon, Jane P. Laudon .
3. MIS: Maanging information systems in business, government and society, Rahul De, Wiley India
4. Essentials of Management Information Systems by Kenneth C. Laudon, Jane P. Laudon .
5. Management information systems by James A O' Brien, George M. Marakas, Ramesh Behl