BSC235TE05A	MANAGEMENT INFORMATION SYSTEM	L	T	P	C
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(For Students admitted from 2023 onwards)
Common for B.Sc. (CS) / BCA / B.Sc. (Data Science) / B.Sc. (Cyber Security)

COURSE OBJECTIVES
- To describe the role of information technology and decision support systems in business.
- To introduce the fundamental principles of computer-based information systems analysis.
- To enable the students to understand the various knowledge representation methods.
- To enable the students to use information to assess the impact of the Internet and Internet technology on electronic commerce
- To provide the theoretical models used in database management systems to answer business questions.

COURSE OUTCOMES
- Relate the basic concepts and technologies used in the field of management information systems;
- Compare the processes of developing and implementing information systems.
- Outline the role of the ethical, social, and security issues of information systems.
- Translate the role of information systems in organizations, the strategic management processes, with the implications for the management.
- Apply the understanding of how various information systems like DBMS work together to accomplish the information objectives of an organization.

SYLLABUS

UNIT – I
 Introduction: Definition of key terms – Management Information, System – Nature and Scope of MIS - Kinds of System; Systems Approach – Classification of MIS

12

UNIT – II
Organization for MIS: Structure for Management; Information requirements at various levels of Management; Manual vs. computerized information system; Data Bank Concept; Types of Computer-Based /applications

12

UNIT – III
Data Base Management: Meaning of Data-Base; Electronic Data-Base; DBMS – Objectives – Technical Overview – Data Aggregates – Physical and Logical Structures; System Security

12

UNIT – IV

System Development Stages: Investigation, Analysis Design, Construction, Testing, Implementation, Maintenance

12

UNIT – V

MIS in functional areas of Management: MIS for Marketing, Human Resource, Operations, Finance, General Management – Decision Making.

12
TOTAL: 60

TEXT BOOKS

1. Goyal, Management Information Systems, Managerial Perspectives, Macmillan India Limited, New Delhi, 2014.
2. Jawadekar, W.S., "Management Information Systems", Tata McGraw Hill Private Limited, New Delhi, 2009.
3. Kenneth C. Laudon and Jane P. Laudon: "Management Information Systems" 9/e, Pearson Education, New Delhi.

REFERENCE BOOKS

1. Mahadeo Jaiswal, Monika Mital: "Management Information System", Oxford University Press, New Delhi, 2008.
2. Murthy C.S.V.: "Management Information System", Himalaya Publications, New Delhi, 2008.
3. Panneerselvam R.: "Database Management System", PHI Private Limited, New Delhi, 2008.