RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL

New Scheme Based On AICTE Flexible Curricula

Artificial Intelligence and Data Science, V-Semester

AD 504 (A) Management Information System

UNIT-I

Basic Concepts of MIS, Data v/s Information, Organization Structures, Business Process, Role of the MIS, Importance, Scope, Impact and Advantagesof the MIS, MIS: a support to management, Structure/Architecture of MIS, Classification of MIS based on information characteristics, application, and business function.

UNIT-II

Resources and Components of Information Systems, Managing Information Resources in an Organization, IT infrastructure and upcoming technologies, Integration and automation of Business Functions and developing Business Models. Fundamentals of Data Processing.

UNIT-III

Information System Development: SDLC, Models and approaches to System development, Information System Planning, System Analysis and Design- Need for System Analysis,Analysis of the existing system, Analysis of new requirements; System Development; System Implementation; Factors responsible for success and failure of Information Systems.

UNIT-IV

Information System Applications: Business Applications, Decision Support Systems (DSS)- Characteristics, Problem Analysis v/s Decision making, DSS applications in E enterprise, Knowledge Management System and Knowledge Based Expert System, Enterprise Model System and E-Business, ERP systems, E-Commerce, E-communication; Business Process Reengineering.

UNIT-V

Evaluation and Maintenance of MIS, Protecting the Information Systems- Security challenges in E-enterprises; Security threats, vulnerability, and safeguards, Controlling security threat and vulnerability, Technologies for Information System

Control, Disaster Recovery Plans. Emerging trends and technologies with regard to Management Information Systems.

Books Recommended:

1. Jawadekar, W.S., "Management Information Systems", Tata McGraw Hill.

2. Kenneth C. Laudon and Jane P. Laudon: "Management Information Systems" ,Pearson Education.

3. Stephen Haag, M. Cummings, Donald J McCubbrey, "Management Information Systems for the Information Age", McGrawHill.

4. Goyal, D.P.: "Management Information System", Macmillan India.

5. MahadeoJaiswal, Monika Mital: "Management Information System", Oxford University Press.

6. Murthy C.S.V.: "Management Information System", Himalaya Publications