B.Sc. Computer Science

SEMESTER – VI

Course Code	Course Title	H	C	I	E	T
17U6DMC17	Management Information Systems	4	4	25	75	100

Objectives:
- ➢ To impart the knowledge of Management Information Systems.
- ➢ Learning the concept of decision making system.

Unit – I   **Total Hours : 60**
                                                                               (12 Hours)
Meaning - Definition- Integrated system- MIS vs. data processing - MIS and other academic discipline such as managerial Accounting, operational research, Management, organization theory and computer science.

Unit – II   **(12 Hours)**
MIS support for decision making-Structured, Programmable decisions-unstructured, non programmable Decisions- hierarchy of management activity-Information systems for operational & management control- Planned performance - Variance from planned performance, reasons for variances, Analysis of possible decisions or courses of action - MIS structure based on organizational function - Formal Vs Informal systems.

Unit – III   **(12 Hours)**
Decision- making process-Phases of decision- making process, problem finding, Formulation and solution or alternatives-criteria for decision making - Decision trees.

Unit – IV   **(12 Hours)**
Concepts of information - Definition of information. Model of communication system - mathematical definition of Information-information presentation-quality of Information - Gentle model of the human as an Information processor.

Unit – V   **(12 Hours)**
Concepts of planning and control and Organization Struture - Meaning-object of organizational planning- Setting of goals and objectives-hierarchy of planning -the planning process-the sources of Planning data- development of planning models - The basic model of organization structure- organization by product or service- Matrix organization.

Text Book:
"Management Information System Conceptual Foundations, Structure & Development" - Margrethe.H.Olson&Gordon.B.Davis–II Ed., -MGH.

Reference Books:

1. "Management Information System" - Davidkroneke,RichardAllanHatch.
2. "Management Information System" – C. Laudan,JanePriceLaudon – PHI.