



Type of course: Core

Prerequisite: IT Fundamentals

Rationale: This course is designed for students to understand MIS in both the wider managerial context and in the narrower confines of the selection, support, design and development of computer applications. It also focuses on the concepts which students needs to understand, in order to make effective use of computerized information systems.

Teaching and Examination Scheme:

Teaching Scheme			Credits	Examination Marks				Total Marks
L	T	P		Theory		Practical		
			University exams (ESE)	Internal evaluation (PA)	External Practical /viva Exam(ESE)	Internal Practical /viva Exam(PA)		
3	-	-	3	50	-	-	-	50

L- Lectures; T- Tutorial/Teacher Guided Student Activity; P- Practical; C- Credit; ESE- End Semester Examination; PA- Progressive Assessment

Contents:

Sr. No.	Practical / Hands on Exercise	Teaching Hrs.	Module % Weightage
1	UNIT-I An introduction to information systems, Information systems in organizations, Information Technology Concepts, The IS Revolution; Information requirement for the different levels of management, transaction processing system, Management information system, Decision support system. Strategic Role of Information Systems. Business Processes; Information management, and Decision Making. Computers and Information Processing	12	30
2	UNIT-II Transaction processing system; hardware and software requirements, tools used, case studies, merits and demerits of transaction processing system.	8	20
3	UNIT-III Managerial control, Information and tools required, difference between transactional system and managerial system. Frequency of taking outputs, Need for interconnected system, common database, Redundancy control, case studies. Decision support system, concept and tools, case studies, virtual organizations, strategic decisions- unstructured approach, cost and values of unstructured information.	12	30
4	UNIT-IV Optimization techniques, difference between optimization tools and DSS tools expert system, difference between expert system and management information system. Role of chief Information officer.	10	20
	Total	42	



Reference Books:

1. Management Information Systems, Kenneth Laudon, Jane Laudon, 13th Edition, Pearson
2. Management Information Systems, W.S. Jawadekar, TMH
3. Management Information Systems, Avdhesh Gupta, Laxmi Publications

Suggested Specification table with Marks (Theory): (For BVOC only)

Distribution of Theory Marks					
R Level	U Level	A Level	N Level	E Level	C Level
10	20	20	0	0	0

Legends: R: Remembrance; U: Understanding; A: Application, N: Analyze and E: Evaluate C: Create and above Levels (Revised Bloom's Taxonomy)

Course Outcomes:

Sr. No.	CO Statement	Marks % Weightage
CO-1	Understand the role of information system in organization	30
CO-2	Understand the transaction processing system	20
CO-3	Understand the decision support system.	30
CO-4	Understand various optimization techniques and tools.	20

List of Open Source Software/learning website :

List of Journals / Periodicals / Magazines / Newspapers / Web resources, etc.

1. MIS Quarterly, University of Minnesota
2. CIO
3. Computer Express
4. Digichip
5. PC World
6. Computer Shopper
7. Dataquest