

**GUJARAT TECHNOLOGICAL UNIVERSITY****Syllabus for Bachelor of Vocation (B.Voc), 4th Semester****Branch: Software Development****Subject Name: Management Information Systems Laboratory****Subject Code: 1140206****With effective
from academic
year 2018-19****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)		
-	-	2	2	-	-	30	20	50

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

Experiments to be covered based on the theory covered in class

Practical List:

Sr. No.	Practical / Hands on Exercise	Hrs.
1	Study of basic system concept.	2
2	Study of the computer and information processing.	2
3	Study model of general information system.	2
4	Discuss the role of management information system in organization.	2
5	Study the characteristics of good management information system.	2
6	Study various levels of management information system.	4
7	Study of transaction processing system.	2
8	Study of various decision support systems.	2
9	Study of various optimization tools and DSS tools	4
10	Study of various expert systems.	2
	Total	28

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

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



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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