SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY'S
R. N. G. PATEL INSTITUTE OF TECHNOLOGY - RNGPIT
An Autonomous Institute u/s UGC Act 1956
Approved by AICTE & affiliated to Gujarat Technological University
Bardoli - Navsari Road, At: Isroli (tajpore), Po: Afwa, Tal: Bardoli, Dist: Surat, Pin - 394620
Phone: 95129 00457, 95129 00458• Email: Info@rngpit.ac.in • Website: www.rngpit.ac.in

Program Name: Integrated MBA
Level: Under Graduation
Branch: Integrated MBA
Course / Subject Code: 1BB0305
Course / Subject Name: Management Information System

w. e. f. Academic Year:	2025-26
Semester:	III
Category of the Course:	MDE

Prerequisite:	
Rationale:	

Course Outcome:

After Completion of the Course, Student will able to:

No	Course Outcomes	RBT Level
01	Understand the basic concepts of Management Information Systems (MIS) and their role in business.	U
02	Identify different types of information systems and their applications in decision-making.	A
03	Analyze the importance of data, databases, and security in MIS.	E
04	Apply MIS concepts in business operations through practical assignments	A

Revised Bloom's Taxonomy (RBT)

Teaching and Examination Scheme:

Teaching Scheme (in Hours)				Total Credits L+T+ (PR/2)+(SL/2)	Assessment Pattern and Marks				Total Marks
					Theory		Tutorial / Practical		
L	T	PR	TW/SL	C	SEE (TH)	IAT	CCE	SEE (P)	
2	0	0	0	2	70	30	50	0	150

TW/SL:Term Work and Self Learning
SEE: Semester End Examination
IAT: Internal Assessment Test
CCE: Continuous and Comprehensive Evaluation

Course Content:

Unit No.	Content	No. of Hours	% of Weightage
1.	**Introduction to MIS** • Meaning and Definition of MIS • Importance of MIS in Business • Components of an MIS • Role of Information in Decision-Making • Types of Information Systems	8	25%
2.	**Types of Information Systems** • Transaction Processing Systems (TPS) • Management Information Systems (MIS) • Decision Support Systems (DSS) • Enterprise Resource Planning (ERP) • Customer Relationship Management (CRM)	7	25%
3.	**Data, Databases, and Security** • Concept of Data and Information • Introduction to Databases and Database Management Systems (DBMS) • Basics of Data Security and Cybersecurity • Ethical and Legal Issues in MIS • Cloud Computing and its Role in MIS	8	25%
4.	**MIS in Business and E-commerce** • Use of MIS in Different Business Functions (Marketing, Finance, HR)	7	25%

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	• E-commerce and Digital Business Models • Role of Artificial Intelligence (AI) in MIS • Benefits and Challenges of Using MIS • Future Trends in MIS		
5.	Students will be engaged in practical activities such as • Case Study on the Use of MIS in a Business Organization • Creating a Simple Database Using MS Excel or Google Sheets • Analyzing E-commerce Websites and Their MIS Usage • Group Discussion on Cybersecurity Challenges in Business • Report on How a Company Uses ERP for Business Operations	--	30 Marks
	Total	**30**	**100**

Suggested Specification Table with Marks (Theory):

Distribution of Theory Marks (in %)					
R Level	**U Level**	**A Level**	**N Level**	**E Level**	**C Level**

Where R: Remember; U: Understanding; A: Application, N: Analyze and E: Evaluate C: Create (as per Revised Bloom's Taxonomy)

Evaluation:
Students shall be evaluated on the following components:

A	Continuous and Comprehensive Evaluation	(Internal Assessment – 50 Marks)
	Practical activities suggested in Module V	30 Marks
	Class Presence & Participation	10 Marks
	Quiz	10 Marks
B	Internal Assessment Test	(Internal Assessment-30 Marks)
C	Semester End Examination	(External Assessment-70 Marks)

References/Suggested Learning Resources:
Books:

1. Laudon, K. C., & Laudon, J. P. (2022). *Management information systems: Managing the digital firm* (16th ed.). Pearson.

2. O'Brien, J. A., & Marakas, G. M. (2020). *Introduction to information systems* (16th ed.). McGraw Hill.
3. Stair, R., & Reynolds, G. (2021). *Principles of information systems* (14th ed.). Cengage Learning.
4. Turban, E., Pollard, C., & Wood, G. (2021). *Information technology for management: Advancing sustainable, profitable business growth* (12th ed.). Wiley.
5. Rainer, R. K., Prince, B., & Cegielski, C. G. (2019). *Introduction to information systems: Enabling and transforming business* (6th ed.). Wiley.
6. Davis, G. B., & Olson, M. H. (2019). *Management information systems: Conceptual foundations, structure, and development*. McGraw Hill

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