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: MBA
Level: Post Graduation
Branch: Logistics & Supply Chain Management
Course / Subject Code: 1MB1104
Course / Subject Name: Management Information Systems

w. e. f. Academic Year:	2024-2025
Semester:	1
Category of the Course:	Core Course (CC)

Prerequisite:	
Rationale:	

Course Outcome:

After Completion of the Course, Student will able to:

No	Course Outcomes	RBT Level
01	Analyze how various information systems work together to accomplish the information needs and objectives of an organization.	N
02	Analyze the role played by types of information systems at various levels and functional areas of the organization.	N
03	Analyze how information systems are used by various organizations across the world.	N
04	Understand relationships between concepts of information systems, organization, management and strategy.	U
05	Understand the role of information systems in supporting various levels of business strategy.	U

Revised Bloom's Taxonomy (RBT)

Teaching and Examination Scheme:

Teaching Scheme (in Hours)			Total Credits L+T+ (PR/2)	Assessment Pattern and Marks				Total Marks
				Theory		Tutorial / Practical		
L	**T**	**PR**	**C**	SEE (TH)	IAT	CCE	SEE (P)	
4	0	0	4	70	30	50	00	150

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Course Content:

Unit No.	Content	No. of Hours	% of Weightage
1.	**Organization and Information Systems** The Organization: Structure, Managers and activities. The level of people and types of decisions and their information needs. Changing Environment and its impact on Business - The IT/IS and its influence. Information Systems: Data, information and its attributes. Information Systems –meaning, functions and dimensions and need. Categorization of Organizational Information Systems – hierarchical and functional perspective.	10	25%
2.	**Strategic business use of IS & Types of Information systems – I** Interdependence between organization and IS IS strategies for competitive advantage using Porter's Five Forces Model and Value Chain Model Meaning, functions and applications of: Transaction Processing Systems, Management Information Systems, Decision Support Systems, Executive Support / Information Systems Digital Dashboards, Artificial Intelligence and Machine Learning, Expert Systems	10	25%
3.	**Types of Information systems – II** Meaning, functions and applications of: - Functional system: Financial, Human Resource, Marketing, Production and Operations, ERP Enterprise Systems: Business Process integration, Supply chain management systems, CRM, BI for MIS	10	25%
4.	**Ethical Issues and emerging technology pertaining to IS** Ethical responsibilities of business professionals Computer crime – hacking & cracking, cyber theft, unauthorized use at work, software piracy, theft of intellectual property, viruses & worms, adware and spyware First line of defense – People / employees Second line of defense – Technology for authorization, prevention, detection and response	10	25%

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	Green computing -(Cloud and mobile computing, IoT) MIS in E-business(E-commerce, m-commerce)			
5.	**Practical:** Students should simulate an organization and its processes and create a hypothetical information system. Students should study the information systems adapted by various business entities.			30 Marks
	Total		**40**	**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)

References/Suggested Learning Resources:
(a) Books:

1. Kenneth Laudon, Jane Laudon Essentials of Management Information Systems PHI 10th Edition
2. Kenneth Laudon, Jane Laudon Information Systems: Managing the Digital Firm Management Pearson Latest
3. Stephen Haag, Amy Philips Business Driven TechnologyMcGraw Hill Latest
4. James A O'Brien, George M Marakas, Ramesh Behl Management Information Systems TMH Latest
5. Stephen Haag, Maeve Cummings, Amy Philips Management Information Systems for the Information Age McGraw Hill Latest
6. W.S. Jawadekar Management Information systems TMH Latest
7. Raymond McLeod and George P. Schell Management Information systems Pearson 10th Edition
8. Efraim Turban, Jay E. Aronson and Ting-Peng Liang Decision Support Systems and Intelligent Systems Management Pearson Latest
9. EfraimTurban, Dorothy Leidner, Ephraim McLean and James Wetherbe Information Technology for Management: Transforming Organizations in Digital Economy Wiley Latest