SEMESTER - 4
Course: 401: Information System

Course Code	401
Course Title	Information System
Credit	2
Teaching per Week	2 Hrs
Minimum weeks per Semester	15 (Including Class work, examination, preparation etc.)
Review / Revision	June 2021
Medium of Instruction	English
Purpose of Course	Make students aware and understand various types of Information Systems.
Course Objective	Learn the different types of Information Systems. To emphasize on the application of information to business management.
Pre-requisite	NIL
Course Out come	After completion of the course the students will understand and appreciate the basic concepts of Information System, importance of MIS for an organization and will be able to contribute effectively in the development and implementation of MIS in different types of organization.

Course Content	**Unit 1. Introduction**
	    1.1. Data & Information
	    1.2. Information need and benefits
	    1.3. Input, Processing, Output and feedback
	Unit 2. Concepts of Systems
	    2.1. Definition of system in an organization
	    2.2. Types of systems
	        2.2.1. Deterministic probabilistic systems
	        2.2.2. Open and close systems
	Unit 3. Introduction to various Information Systems
	    3.1. Business information Systems
	        3.1.1. Principal Function System in Business
	        3.1.2. Product flow and Information Flow
	        3.1.3. Principal Document Associated with Information Flow
	    3.2. ERP
	    3.3. Management Information Systems
	        3.3.1. Characteristics of MIS
	        3.3.2. Development process of MIS
	    3.4. Decision support systems
	Unit 4. Transaction Processing Systems
	    4.1. Overview of Transaction Processing System
	    4.2. Transaction Processing methods & objectives
	    4.3. Transaction Processing Activities
	        4.3.1. Data Collection
	        4.3.2. Data Editing
	        4.3.3. Data correction
	        4.3.4. Data Manipulation
	        4.3.5. Data Storage
	        4.3.6. Document Production and Reports
	    4.4. Traditional transaction processing Applications
	        4.4.1. Order Processing Systems
	        4.4.2. Purchase Systems
	        4.4.3. Accounting Systems
	
	Unit 5. Case Studies Based on TPS
	    5.1. Online Admission Process,

	5.2. Hospital Management and
	5.3. Hotel Management.
Reference Book	1. Principles of information system, Ralf M. Stair & George W. Reynolds - Thomson Learning Publisher.
	2. Introduction to system analysis and Design, NCC – Galgotia Publications
	3. Management information Systems – Text & Applications, CVS Murthy – HPH
	4. Management information Systems – Organization and technology, K. C. Laudan & J.P. Laudan – Prentice Hall India.
	5. Management information system, W. S. Jawadekar – Tata McGraw Hill.
	6. E-Business and IS Solutions, J. Buffam – Addison Wesley.
	7. Decision Support System and Intelligence Systems, Efraim Turban & Jay E. Aronson – Addison Wesley
Teaching Methodology	Class Work, Discussion, Self-Study, Seminars and/or Assignments
Evaluation Method	30% Internal assessment.
	70% External assessment.