

Course title: Management Information System				
Course code: BSI 171		No. of credits: 2	L-T-P: 24-04-04	Learning hours: 30
Pre-requisite course code and title (if any):				
Department: Policy and Management Studies				
Course coordinator(s): Dr Shruti Sharma Rana			Course instructor(s): Guest Faculty	
Contact details:			Course offered in: Semester 2	
Course type: Core				
Course description The objective of this course is to introduce the students to the Management Information System (MIS) and its application in organizations. The course would expose the students to the managerial issues relating to information systems and help them identify and evaluate various options.				
Course objectives				
<ol style="list-style-type: none"> 1. To provide students an understanding about the usage of Information Systems in management. 2. To make them familiar with activities that are undertaken for acquiring an Information System in an organization. 3. To make them aware of various Information System solutions like ERP, CRM, Data warehouses and the issues in successful implementation of these technology solutions in any organization 				
Course content				
Module	Topic	L	T	P
1.	Introduction Meaning and Role of Information Systems, Constituents, and Characteristics of MIS, Decision Making and MIS, Cost and Value of Information. Ethics and Social Issues	4	0	0
2.	Classification of Information Systems Computer Based Information Systems: Office Automation Systems; Transaction Processing Systems; Management Information Systems; Real-time Information System; Decision Support Systems; Group Decision Support Systems; Executive Information Systems. Artificial Intelligence Based Systems such as Expert System, Knowledge Management System; Information system security issues and control;	6	0	0
3.	Structured Systems Analysis; System Development; System Development Life Cycle.	2	0	0
4.	Enterprise Systems- Enterprise Data Warehousing, Enterprise Resource Management Systems, SupplyChain Management, Customer Relationship Management; Developing Business Intelligence from these systems	4	0	0
5.	Introduction to Big Data Database, RDBMS, Big Data, Big Data Analytics, Relationship of Data warehousing and Big Data Analytics, Tools and techniques of Big Data Analytics	4	2	0
6.	Introduction to Other Latest Development for MIS Data Mining and Analytics, Artificial Intelligence and Machine Learning, Blockchain Applications, Data Lake, Delta Lake, Google Cloud Dataflow, Introduction to Cloud Computing	4	2	4
Total (in hours)		24	4	4
Evaluation criteria				

Minor 1 Exam (Quiz)-	20%
Minor 2 Exam (Presentation)-	20%
Minor 3 Exam-	20%
Major Exam-	40%
Learning outcomes	
By the end of the course, the student will be able to:	
<ol style="list-style-type: none"> 1. Develop an exhaustive understanding of the usage of MIS in organizations. 2. Demonstrate an ability to explain the classifications of MIS and linking MIS to business strategy for strategic advantage. 3. Develop an ability to assess the requirements of MIS design in different organizations including functions and issues at each stage of system development. 	
Materials:	
Required textbooks	
<ol style="list-style-type: none"> 1. Kenneth, Laudon and Jane Laudon, MIS: Managing the Digital Firm, Pearson Education. 	
Reference:	
<ol style="list-style-type: none"> 1. James, A. O'Brien. Introduction to Information Systems. Tata McGraw Hill. (Latest Edition). 2. Goyal, D.P. Management Information Systems, Macmillan India Ltd. (Latest Edition). 3. Turban, E., McLean, E. and Wetherbe, J. Information Technology for Management: Making Connections for Strategic Advantage. John Wiley and Sons. (Latest Edition). 4. Jawadekar, W. S. Management Information Systems. Tata McGraw Hill (Latest Edition). 	
Pedagogical approach	
The course will involve a mix of instructor led training and case studies.	
Additional information (if any):	
Student responsibilities	
Attendance, feedback, discipline: as per university rules.	

Prepared by: Dr Shikha Mittal Shrivastav

Course Reviewers:

1. Dr. Shruti Choudhary
Associate Professor
Karnavati University, Ahmedabad
2. Mr Amit Kumar Das
Assistant General Manager (Head MIS Team)
Air India, New Delhi