

Course title: Management Information System				
Course code: BSI 171	No. of credits: 2	L-T-P distribution: 22-6-0	Learning hours: 28	
Pre-requisite course code and title (if any):				
Department: Department of Business & Sustainability				
Course coordinator (s) Dr. Ashwani Kumar			Course instructor (s): Dr. Ashwani Kumar	
Contact details: ashwk@yahoo.com				
Course type	Core	Course offered in: Semester 2		
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				
<ul style="list-style-type: none"> To provide students an understanding about the the usage of Information Systems in management To make them familiar with activities that are undertaken for acquiring an Information System in an organization 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	2	0	0
2.	Classification of Information Systems Operations Support Systems, Management Support Systems, Expert Systems, Decision Support System, and Knowledge Management Systems	2	0	0
3.	Planning, Implementation and Maintenance of MIS Identification of Applications, Business System Planning, Critical Success Factors, Nolan Stage Model in MIS, System Implementation, Maintenance, and Risks	4	0	0
4.	Enterprise Systems Enterprise Data Warehousing, Enterprise Resource Management Systems, Supply Chain Management, Customer Relationship Management; Developing Business Intelligence from these systems	4	0	0
5.	Introduction to Big Data Big Data, Big Data Analytics, Relationship of Data warehousing and Big Data Analytics	4	4	
6.	Introduction to Other Latest Development for MIS Data Mining and Analytics, Artificial Intelligence and Machine Learning, Blockchain Applications	6	2	
	Total	22	6	0
Evaluation criteria				
<ul style="list-style-type: none"> Test 1 30% Test 2 30% Test 30 40% 				
Learning outcomes				
By the end of the course, the student will be able to:				
<ul style="list-style-type: none"> Develop an exhaustive understanding of the usage of MIS in organizations. Demonstrate an ability to explain the classifications of MIS and linking MIS to business strategy for strategic advantage. Develop an ability to assess the requirements of MIS design in different organizations including functions and issues at each stage of system development. 				
Suggested readings:				

- | |
|--|
| <ol style="list-style-type: none">1. Kenneth, Laudon and Jane Laudon (2006). MIS: Managing the Digital Firm. Pearson Education.2. James, A. O'Brien (2006). Introduction to Information Systems. Tata McGraw Hill.3. Goyal, D.P. (2007). Management Information Systems, Macmillan India Ltd.4. Turban, E., McLean, E. and Wetherbe, J. (2001). Information Technology for Management: Making Connections for Strategic Advantage. John Wiley and Sons.5. Jawadekar, W. S. (2004). Management Information Systems. Tata McGraw Hill. |
|--|

Pedagogical approach

The course will involve a mix of instructor led training and case studies.
--

Required textbooks

Kenneth, Laudon and Jane Laudon (2006). MIS: Managing the Digital Firm. Pearson Education.
--

Additional information (if any):

Student responsibilities

Attendance, feedback, discipline: as per university rules.
--

Course reviewers:

Ashwani Kumar, General Manager, Delhi Metro Rail Corporation
Sanjeeva Shivesh, Founder, The Entrepreneurship School