

<b>Course title: Management Information System</b>				
<b>Course code:</b> BSI 171	<b>No. of credits:</b> 2	<b>L-T-P distribution:</b> 22-06-00	<b>Learning hours:</b> 28	
<b>Pre-requisite course code and title (if any):</b>				
<b>Department:</b> Department of Business and Sustainability				
<b>Course coordinator(s)</b>			<b>Course instructor(s):</b>	
<b>Contact details:</b>				
<b>Course type</b>	Core	<b>Course offered in:</b> Semester II		
<b>Course description</b> 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.				
<b>Course objectives</b> <ul style="list-style-type: none"> <li>· To provide students an understanding about the the usage of Information Systems in management</li> <li>· To make them familiar with activities that are undertaken for acquiring an Information System in an organization</li> <li>· To make them aware of various Information System solutions like ERP, CRM, Data warehouses and the issues insuccessful implementation of these technology solutions in any organization</li> </ul>				
<b>Course content</b>				
<b>Module</b>	<b>Topic</b>	<b>L</b>	<b>T</b>	<b>P</b>
1.	<b>Introduction</b> Meaning and Role of Information Systems, Constituents, and Characteristics of MIS	2	0	0
2.	<b>Classification of Information Systems</b> Operations Support Systems, Management Support Systems, Expert Systems, Decision Support System, and Knowledge Management Systems	2	0	0
3.	<b>Planning, Implementation and Maintenance of MIS</b> Identification of Applications, Business System Planning, Critical Success Factors, Nolan Stage Model in MIS, System Implementation, Maintenance, and Risks	4	0	0
4.	<b>Enterprise Systems</b> Enterprise Data Warehousing, Enterprise Resource Management Systems, Supply Chain Management, Customer Relationship Management; Developing Business Intelligence from these systems	4	0	0
5.	<b>Introduction to Big Data</b> Big Data, Big Data Analytics, Relationship of Data warehousing and Big Data Analytics	4	4	
6.	<b>Introduction to Other Latest Development for MIS</b> Data Mining and Analytics, Artificial Intelligence and Machine Learning, Blockchain Applications	6	2	
	<b>Total</b>	<b>22</b>	<b>6</b>	<b>0</b>
<b>Evaluation criteria</b> Test 1: Written exam 30% Test 2: Written exam 30% Test 3: Written exam 40%				
<b>Learning outcomes</b> By the end of the course, the student will be able to: <ul style="list-style-type: none"> <li>· Develop an exhaustive understanding of the usage of MIS in organizations.</li> <li>· Demonstrate an ability to explain the classifications of MIS and linking MIS to business strategy for strategic advantage.</li> <li>· Develop an ability to assess the requirements of MIS design in different organizations including functions and issues at each stage of system development.</li> </ul>				

**Materials:**

Required textbooks

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

Reference:

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.

**Additional information (if any):****Student responsibilities**

Attendance, feedback, discipline: as per university rules.

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**Course reviewers:**

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