



# SYLLABUS

<b>Course Title</b>	<b>Management Information System &amp; ERP</b>
<b>Course Code</b>	<b>BCA412</b>
<b>Course Credit</b>	Theory(Hrs) : 4
	Practical(Hrs) : 0
	Tutorial(Hrs) : 0
	Credits : 4

## Course Objectives

The objectives of the course are:

- To identify needs of information at different management levels in a organization
- To know the process of development and implementation of MIS to improve the design and use of information systems
- To know the applications of information management
- To aware about ERP concepts and the technologies
- To acquire knowledge about ERP implementation task in companies
- To understand requirements of ERP packages in different industrial domains

## Detailed Syllabus

<b>Sr. No.</b>	<b>Name of chapter &amp; details</b>	<b>Hours Allotted</b>
<b>Section – I</b>		
<b>1</b>	<b>Introduction to Information Management</b> Definition of Information, Types of Information, Sources, Values and Control of Information, Implications of Information in Business & MIS Need for Information Systems, Examples of Information Systems, Impact of IT on organizations and society	<b>08</b>

<b>2</b>	<b>Basics of MIS</b> Overview of MIS, Introduction to Decision-making, Process and Modelling, MIS with Decision-Making, Classification of Information Methods of Data and Information Collection, Model of Human as Information Processor	<b>09</b>
<b>3</b>	<b>MIS Implementation Techniques</b> Implementation of MIS, General Model of MIS, Development Process of MIS, MIS Concept & Control, Knowledge & Knowledge Management Systems	<b>09</b>
<b>Section – II</b>		
<b>4</b>	<b>Enterprise Resource Planning</b> Introduction to ERP, Features and Characteristics of ERP, Need of ERP, Components of ERP, Development process of ERP, Users of ERP, Justifying ERP investment, Risks of ERP, Benefits of ERP	<b>07</b>
<b>5</b>	<b>ERP Technologies</b> Concepts of Data ware housing, Data mining, Business Intelligence, ERP Security Other Technologies: 1. SCM, 2. CRM, 3. ECRM	<b>07</b>
<b>6</b>	<b>Modules of ERP</b> Human Resources Management, Sales and Distribution Management	<b>04</b>
<b>7</b>	<b>ERP for Various Industries</b> ERP for Manufacturing Industry, ERP for Service Industry, ERP for Retail, ERP for Educational Institution, Example of academic institutional ERP <b>ERP Implementation:</b> ERP Lifecycle Implementation, Reasons for failure and reasons for success of ERP implementation	<b>08</b>
<b>Instructional Method and Pedagogy:</b>		
<ul style="list-style-type: none"> <li>• Lectures will be conducted on the basis of Classroom Response Systems with the use of multimedia projector and black board.</li> <li>• Assignments based on course contents will be given at the end of each unit/topic and will be evaluated at regular interval.</li> </ul>		

### Course Learning Outcomes:

On the completion of the course, students will be able to:

- **Understand** the relationship between information system and management
- **Analyze** how technology can be used to synthesize complex data to make sound business decisions
- **Prepare** processes, in conjunction with technology personnel, to use MIS for competitive advantage
- **Understand** the concept of ERP and related technology
- **Identify** the reason for the successful /failure ERP implementation
- **Learn** various functionalities of different ERP modules
- **Understand** the implementation cycle of ERP

### Text books:

- Title: Management Information Systems: Managing the Digital Firm, Pearson Education Canada, 2012  
Author(s) : Kenneth C. Laudon, Jane Price Laudon, Mary Elizabeth Brabston
- Title: "Enterprise Resource Planning", Galgotia.  
Author(s): Ravi Shankar & S. Jaiswal

### Reference Books:

- Title: Management Information Systems, Tata McGraw Hill  
Author(s): Davis and Olson
- Title: Analysis and Design of Information Systems, , Prentice Hall  
Author(s): Rajaraman
- Title: ERP text and cases, Tata McGraw Hill  
Author(s) : Rajesh Ray
- Title: " Building the Data Warehouse Management Information Systems: Texts And Cases ", McGraw Hill  
Author(s) : Jawadekar

### Additional Resources

- <http://www.mhhe.com/business/mis/obrien/obrien4e/index.html>
- <http://www.managementstudyguide.com/enterprise-resource-planning.htm>
- <http://www.pearsonhighered.com/laudon/>
- <http://120.72.95.42/RKU/>