



Course Title: Management of Information System

Course Code: CSIT204

Credit Units: 3

L	T	P/S	SW/F W	TOTAL CREDIT UNITS
3	-	-	-	3

Course Objectives:

The aim of this unit is to introduce the student to the evolution, role, function and impact of Information Technology (IT) and Information Systems (IS) in international business operations. It will develop the students' ability to identify sources of information and how these can be used in the decision-making process by leveraging IT and networking.

This course requires the students to develop practical applications ability and knowledge as well as the ability to recommend how IS and IT should be used in global business. Students will also demonstrate their understanding of fundamental business issues of the Information Age Enterprise through in-class discussion of real-world business cases

Student Learning Outcomes:

At the end of the course students will be able to:

- Explain key concepts and elements of information technology and information systems
- Examine the evolution, role, function and impact of IT & IS in global business operation.
- Identify sources of information and assess how they can be used in the decision making process by leveraging information technology and networks.

Course Contents/Syllabus:

	Weightage (%)
Module I	20%
Descriptors/Topics	
:Information Technology in Management <ul style="list-style-type: none">• Fundamentals of Information Technology in management ,Organizations, Environments, IT & IS, E-business/E-commerce in global scenario: Role in transforming business and management in organizations with focus on IB, Use of communication systems in information management	

Module II	20%
Descriptors/Topics Information Systems within Business Management <ul style="list-style-type: none"> • Introduction to common used system and models, Relationship between IS, organizations and business processes, Types of IS(TPS, OAS, MIS, DSS, ESS and SIS), Information management and decision making, Managing international Information systems 	
Module III	20%
Descriptors/Topics Knowledge based systems <ul style="list-style-type: none"> • Intelligent support systems & concepts of Artificial Intelligence, Data Mining & Data warehousing, Emerging trends in Information management systems 	
Module IV	20%
Descriptors/Topics Managerial implications of IT/IS in Global business <ul style="list-style-type: none"> • Planning, Organizing and controlling, Information Security, Tools and techniques, Legal and Ethical issues, Future of Information management 	
Module V	20%
Descriptors/Topics Practical aspects and applications of IT/IS <ul style="list-style-type: none"> • Introduction to MIS packages and tools , Web interface and techniques, Introduction to ERP & CRM solutions 	

Pedagogy for Course Delivery:

This course is based upon interaction between the students and the teachers. Wherever possible a link should be made between the academic underpinning and its practical application. Students will be given time to develop skills and analyse the benefits and limitations of the use of IS and IT in organisations. A ‘hands on’ approach will ensure that students can use integrated programmes and have a wide range of knowledge of different applications. The practical knowledge can be used to develop an awareness of how IT and IS can be adopted by organisations to improve business efficiency. This will be achieved via a tutor-developed case study, an evaluation of a local organisation, guest lectures and industry visits. Part of the learning process will also be producing a paper (in groups) on a relevant topic.

Lectures

Guest Lectures

Company Analytics

Group Projects

Assessment/ Examination Scheme:

Theory L/T (%)	Lab/Practical/Studio (%)	End Term Examination
100%		70

Theory Assessment (L&T):

Continuous Assessment/Internal Assessment				End Term Examination
Components (Drop down)	Case study	Group Project	Attendance	
Weightage (%)	10%	15	5%	70

Text & References**Text:**

- Laudon Kenneth and Laudon Jane (2005) – Management Information Systems: Managing the Digital Firm, 9th Edition, Prentice Hall of India.

References:

- Turban, McLean and Wetherbe (2004) – Information Technology for Management 4th Edition, John Wiley & Sons
- Rober Murdic G. (1998) - Management Information Systems, Prentice Hall of India
- Jawadekar W.S. (1998) - Management Information Systems, Tata McGraw Hill

Papers & Articles:

- “Communicating MIS Research”, by Randolph B. Cooper, University of Houston, Information Processing & Management Vol. 29, No. 1, pp. I W127, 1993
- Huimin Zhao and Sudha Ram, “Combining Schema and Instance Information for combining Heterogeneous Data Sources”, Data and Knowledge Engineering, 61, No. 2, 2007, pp. 281-303.
- “ Research in Information Systems: Organizational and Behavioral Perspectives”,
- Professor Sirkka L. Jarvenpaa

