



# ISM 121

Course Name		Course Code	
Introduction to Information Systems		ISM 121	
Prerequisite	Credit	Theory	Practice
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## Course Description

Information systems refer to a set of integrated solutions (software and hardware) that organisations use to collect, create, process and distribute data in order to meet organisational needs for operational management, business development, decision support, and customer interaction. Information Systems are set to play an increasingly critical role in the emerging information society.

The aim of this module is to provide a comprehensive and state-of-the-art overview of information systems used by the various organisations today. This includes the motivation for and the use of information systems in businesses and other organisations today, various dimensions of information systems such as social networking and ethical issues, a review of the technologies for information systems infrastructure including databases and networking, key application areas including knowledge management, decisions support, operational management, and eCommerce, and a detailed account of building and managing information systems.

## Course Topics and Duration in Weeks

Topics	Duration
Information Systems in Global Business Today	1
Global E-Business and Collaboration	1
Information Systems, Organizations, and Strategy	1
Ethical and Social Issues in Information Systems	1
IT Infrastructure and Emerging Technologies	1
Foundations of Business Intelligence: Databases and Information Management	1
Telecommunications, the Internet, and Wireless Technology	1
Securing Information Systems	1
Achieving Operational Excellence and Customer Intimacy: Enterprise Applications	1
E-Commerce: Digital Markets, Digital Goods	1
Managing Knowledge	1
Enhancing Decision Making	1
Building Information Systems	2
Managing Projects	1
Managing Global Systems	1

## Course Learning Outcomes (CLO)

On successful completion of the module students will be able to:

- Give a comprehensive view of the fundamental dimensions of the information systems landscape including organisational aspects, design, component ICT technologies, and key application areas.
- Describe the technologies, methods and processes to design and build information systems.
- Comprehend key applications areas of information systems including customer interaction, operational excellence, eCommerce, knowledge management and decision support.

- Recognise and discuss the social and ethical issues in information systems.
- Understand the role of information systems in enterprise social networking.
- Debate the design and research challenges for information systems of existing and future organizations.
- Propose and discuss new applications of information systems.

**Textbook**

Management Information Systems, Global Edition, 13/E, Kenneth Laudon, Jane P. Laudon,  
ISBN-10: 027378997X ISBN-13: 9780273789970, 648 pp, Pearson, 2013.

**References**

**Coordinator (s)**

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IS Department Approval

