

## Management Information Systems

### Course Objectives

The objective of this course is to acquaint the students with the role, functions and development of information systems at different levels of the organisation and to develop a broader understanding of the management and information technology systems.

### Syllabus

Information systems, enterprise systems, types of information systems, E-business, decision making concepts, GDSS, Database concepts, DBMS, data warehousing, data mining, Cyber security, system development cycles.

### Expected Outcome

On completion of this course, the students will have an understanding of systems thinking, and ability to analyse business situations from a systems perspective. They also get exposure to the various system concepts and terminologies.

### References

1. Behl, Ramesh. Information Technology for Management. Tata McGraw Hill Education, 2009.
2. Laudon, Kenneth C and Jane P Laudon. Management Information Systems: Managing the Digital Firm. Pearson Education, 2013.
3. O'Brien, James and George Marakas. Management Information Systems (10/e). McGraw Hill, 2010.
4. Rainer, R Kelly, Brad Prince and Hugh J Watson. Introduction to Information Systems (3/e). Wiley, 2014.

### Course Plan

I e-business- e-commerce- e-government e-Commerce models and strategies-Cases of successful e-Commerce companies Ethical and social issues with e-Commerce Impact of IT on business

II Database concept, Advantages of DBMS, database types, Database models, data warehousing, data mining, data trends, Data Flow Diagram

### First Internal Examination

III Information Security and Control System Vulnerability- Wireless security challenges-Malwares-Cyber terrorism and Cyber crimes-Spoofing, phishing, sniffing, DOS attacks

IV Ensuring wireless security, Encryption and public key infrastructure, Firewalls, Intrusion Detection systems and anti- virus software-Ensuring cloud security and mobile digital platform

Second Internal Examination

V Enterprise Information systems-SCM, CRM, ERP. ERP-Benefits, Challenges, Trends, Big 5, ERP Implementation life cycle

Trimester Examination