

MBG5208 MANAGEMENT INFORMATION SYSTEM

Course Code	MBG5208	Semester	II
Course Title	<i>MANAGEMENT INFORMATION SYSTEM</i>		
Credits	3	Type	Core

The course focus on imparting system managing skills in an organization

Course Description

The course provides to understand the process of information generation and communication, application development in organizations and understanding about security issues of information resources.

Course Outcome

By the end of the course, students are expected to be able to

1. Knowledge gained
 - To understand framework for designing MIS in an organization organizations
 - To learn multiple approaches to the structure of MIS
 - To identify the different types of MIs in organizations and their functions
2. Skills gained
 - To create awareness on the application and use of computer networks and the safety and security aspects pertaining to IT.
3. Competency gained
 - To analyse the different stages of system development and implementation and identify the problems and challenges.

Course Structure

The following is a detailed syllabus.

Module I

Evolution of MIS: Concepts; framework for understanding and designing MIS in an organization; MIS and other related disciplines, MIS and Management. Concept of information; definition, features, types, process of generation and communication; quality and value of information; System concept; definition, types and characteristics of system- Input, process- output , control.

Module II

Structure of MIS: Basic structural concepts: formal and informal information systems; multiple approaches to the structure of MIS: Operational elements (physical components, process, and outputs for users), activity subsystems, functional subsystems and decision support – synthesis of multiple approaches into a conceptual structure for MIS.

Module III

Information systems: Transaction Processing Systems, Office Automation Systems, Information Reporting Systems, Decision Support Systems, Executive Support Systems, expert systems and Enterprise Resource Planning Systems , Functional Information Systems..

Module IV

Systems Development and Implementation: System development methodologies; SDLC approach; prototyping approach and user development approach- Systems Analysis; systems Design; Concepts of database and database design; system implementation; management of information system projects; system documentation – information system audit.

Module V

Computer Networks: LAN, WAN; Topologies; Distributed data processing and client/server computing. Security of information resources; threats to information resources; security systems for risk management – social and ethical issues of information technology.

Testing & Evaluation (if any)

- Assignments
- Case analysis/ Problems
- Seminar/Project
- Discussions/ Group activity
- Internal Tests

References:

1. O'Brien, James A (2004), Management Information Systems, Tata McGraw Hill, New Delhi.
2. George M.Scott (1986): Management Information Systems, McGraw Hill Book Company, New Delhi.
4. DP Goyal (2014), Management Information Systems, Prentice Hall of India, New Delhi.
5. Kenneth C. Laudon and Jane P. Laudon (2011): Management Information Systems – Managing the Digital Firm, Pearson Education, New Delhi.
6. <https://nptel.ac.in/courses/110/105/110105148/>
7. [https://dinus.ac.id/repository/docs/ajar/Kenneth_C.Laudon,Jane_P_.Laudon -
_Management_Information_Sysrem_13th_Edition_.pdf](https://dinus.ac.id/repository/docs/ajar/Kenneth_C.Laudon,Jane_P_.Laudon_-_Management_Information_Sysrem_13th_Edition_.pdf)