

MIS 670: Management Information System

Management Information system (MIS) is a planned system of the collection, processing, storage and dissemination of data in the form of information needed to carry out the management functions. This course will introduce information systems in the modern enterprise through a survey of information systems technologies and the way they affect management and in its decision making process. Although the course considers information technology, it focuses on its application in formulation of management strategies, not simply in technical issues.

Course Contents:

Introduction to computer system: Hardware; Software; Electronic data processing; Input; Processing and output techniques
Management information system: Needs for MIS; Evolution & types of information system; (MIS; DSS; Expert System); Concept of data and information
Database management systems: Concept of DBMS; Hierarchy of database; Elements of DBMS; Contents of files
Information systems for business application: Executive information system; Manufacturing information system; Marketing information system; FIS; HRIS
Computer networks: types of networks; Application of networks; Network structure; Network standardization; Network Software
Introduction to business telecommunication: Communication channels; Channel configuration; Channel sharing; Modes of transmission
Other relevant topics: Artificial Intelligence (AI); Office automation; Multimedia; Computer viruses

Text Books:

- James O, Brien: Introduction of Information Systems with supplement. McGraw Hill, New York
Robert Schulthies & Mary Sumner: Management Information System, with supplement. McGraw Hill, New York
- David Olson: Management Information System, McGraw Hill