

MSYS 101 Principles of Management Information Systems

An information system collects, stores, manages, and processes data to provide relevant and timely information for decision-making, operations, and business processes. This course equips students with a thorough understanding of MIS concepts and their significance in organizational contexts. Participants will learn to analyze and address the benefits and challenges of information technology within a business framework. Emphasis is placed on leveraging MIS principles to improve business processes through the application of reengineering principles and adept use of information technology. *(Prerequisite: None)*

Course Learning Outcomes:

By the end of the course, students will be able to:

1. Demonstrate detailed knowledge of MIS concepts and systems and their influence on organizations and different business processes.
2. Apply MIS principles to assess and manage the advantages and challenges associated with information technology in a business context, demonstrating an understanding of cybersecurity, privacy protection, and information ethics.
3. Assess, analyze, and devise improved business processes using business process reengineering principles, enhancing existing systems and addressing business process issues.
4. Demonstrate proficiency in ICT and communicate effectively to clarify the various types of information systems suited for diverse business settings.
5. Operate with independence, taking responsibility and accountability for personal contributions, when coordinating and participating in MIS research as part of a team.

Text Book & Course Materials:

- *Laudon, K. C., & Laudon, J. P. (2017). Essentials of management information systems. Pearson.*

Course Content:

1. Overview of Information System in Global Business Today
2. IT infrastructure and Emerging Technologies
3. Foundations of Business Intelligence
4. Telecommunication Networks, and Wireless Technology
5. Understanding cybersecurity, privacy protection, and information ethics.
6. Client Software Solutions: DBMS: Microsoft Access
7. Client Software Solutions: CRM
8. Client Software Solutions: Workflow Automation & BPM