



Lecture 1

Introduction to MIS

Outline

- Definition of MIS
- Objectives of MIS
- Advantages of MIS
- Roles of MIS
- Challenges of MIS
- Business Information Systems
- The purpose of Information System
- Data, Information and Information Systems

Definition of MIS

MANAGEMENT INFORMATION SYSTEM

“MIS IS A PLANNED SYSTEM OF COLLECTING, STORING AND DISSEMINATING DATA IN THE FORM OF INFORMATION NEEDED TO CARRY OUT THE FUNCTIONS OF MANAGEMENT.”

PEOPLE



DATA



SOFTWARE



HARDWARE



Definition of MIS

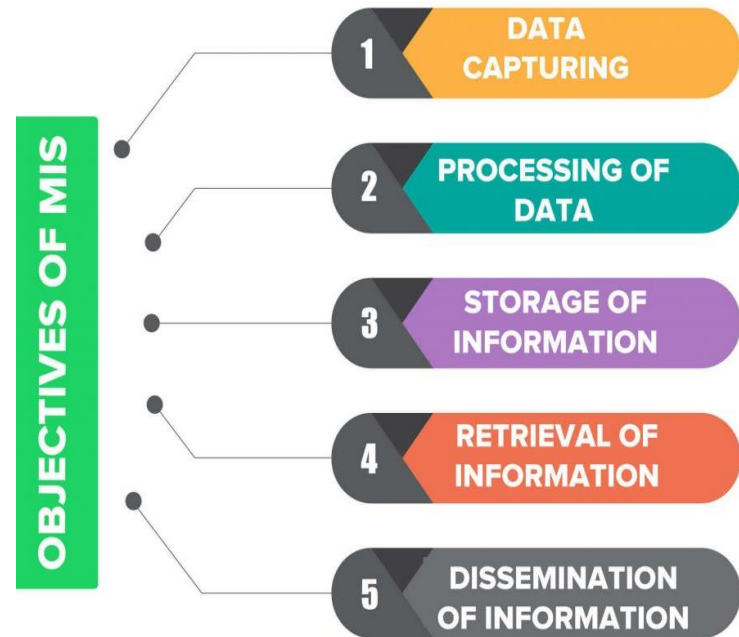
“A formal method of collecting timely information in a presentable form in order to facilitate effective decision making and implementation, in order to carry out organizational operations for the purpose of achieving the organizational goals.”

Kennevan

Walter I.

Objectives of MIS

1. [Data Capturing](#)
2. [Processing of Data](#)
3. [Storage](#)
4. [Retrieval](#)
5. [Dissemination](#)

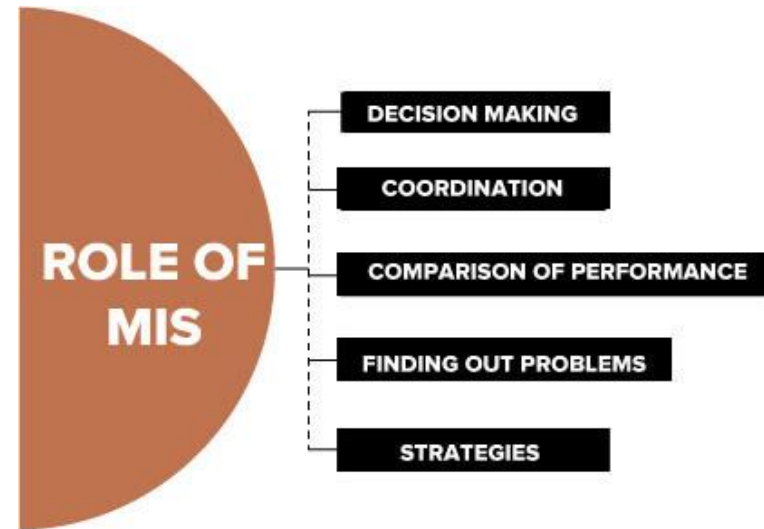


Advantages of MIS

- The following are some of the [benefits of a good MIS](#).
 1. Increased customer satisfaction
 2. Improved quantity and quality of information
 3. Improved quality and quantity management decisions
 4. Improved responsiveness number of the competitor's condition
 5. Improved operational efficiency and flexibility
 6. Improved quality of internal and external communications
 7. Improved quality of planning
 8. Improved quality control and supervision

Roles of MIS

- A management information system (MIS) plays an important [role in business organizations](#).
1. [Decision making](#)
 2. [Coordination among the department](#)
 3. [Finding out Problems](#)
 4. [Comparison of Business Performance](#)
 5. [Strategies for an Organization](#)



Challenges of MIS

- There are three major challenges of MIS: high cost, training of employees and maintenance cost. These are briefly discussed below:

1. High Cost

2. Training of Employee

3. Maintenance Cost

Challenges of MIS(Cont'd)

1- High Cost

Development of new computerized based information system is a problem for the organization due to the cost factor and it creates problems because with the change of time there is need of up-to-date of the information system.

Challenges of MIS(Cont'd)

2- Training of Employee

Employees should have the capacity of learning of the information system with the changing competitive and business environment; otherwise, it will be difficult for the organization to stay in the market.

Challenges of MIS(Cont'd)

3- Maintenance Cost

Sometimes a problem arises due to server crash and website crash. Sometimes it leads to the loss of information. So, maintenance cost is needed to tackle the above problem.

Business Information System

- Solving problems and Making decisions.
- Generating business information.
- Managing extensive amount of data.
- Gathering useful information from customers to add new products or services.
- Does information technology matter?

Purpose of Information Systems

- Businesses use information systems
 - To make sound decisions
 - To solve problems
- **Problem** is any undesirable situation.
- **Decision** arises when more than one solution to problem exists.
- Problem solving and decision making require information.
- Keys to success in business are:
 - Gathering correct information
 - Storing information
 - Using information

Data, Information, and Information Systems

- “Data”, “information” and “system” are commonly used terms
- Important to understand their similarities and differences.
- **Data:** a given or fact.
 - Can be number, statement, or picture
- **Information:** facts or conclusions that have meaning within context.
 - Composed of data that is manipulated.

Summary

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- ✓ Objectives of MIS
- ✓ Advantages of MIS
- ✓ Roles of MIS
- ✓ Business Information Systems
- ✓ The purpose of Information System
- ✓ Data, Information and Information Systems



Questions?