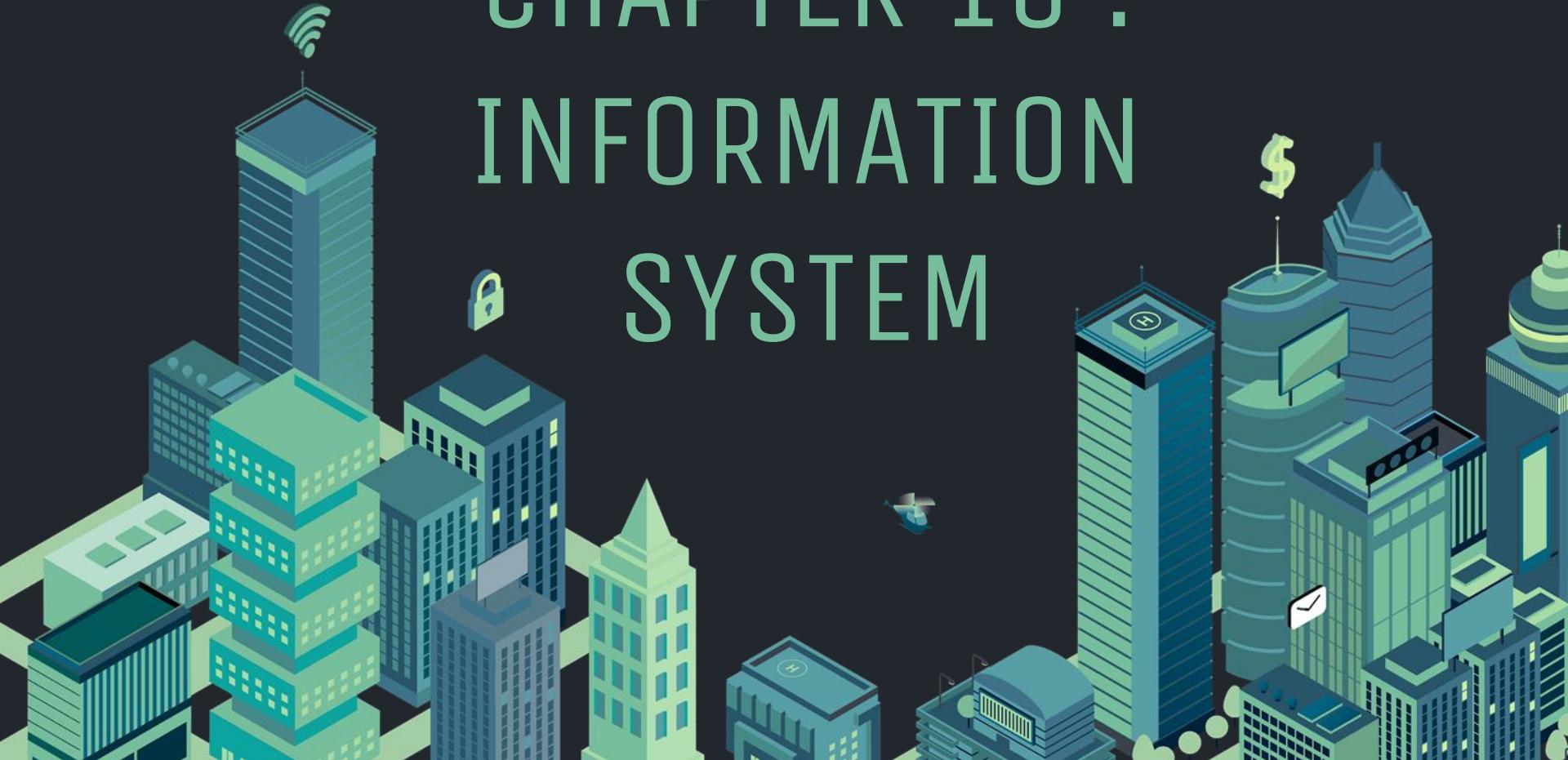


# CHAPTER 10 :

# INFORMATION

# SYSTEM



## GROUP MEMBERS

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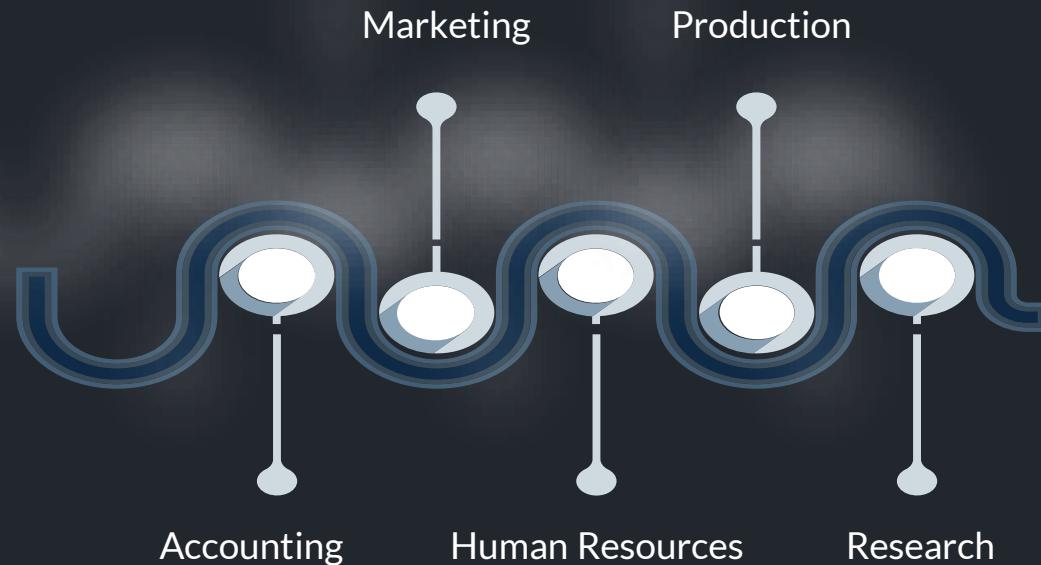
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## INTRODUCTION

- An information system is a collection of people, procedures, software, hardware, and data.
- Many components work together to meet the needs of the organization.
- Information system ensures efficient and natural flow of information between 5 functional areas of an organization.



# FUNCTIONS OF ORGANIZATION

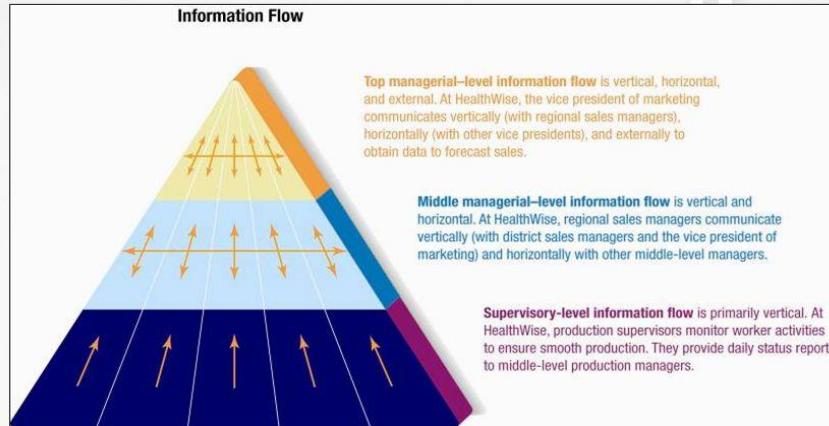


# Organizational information flow

Information  
system supports  
the natural flow of  
information

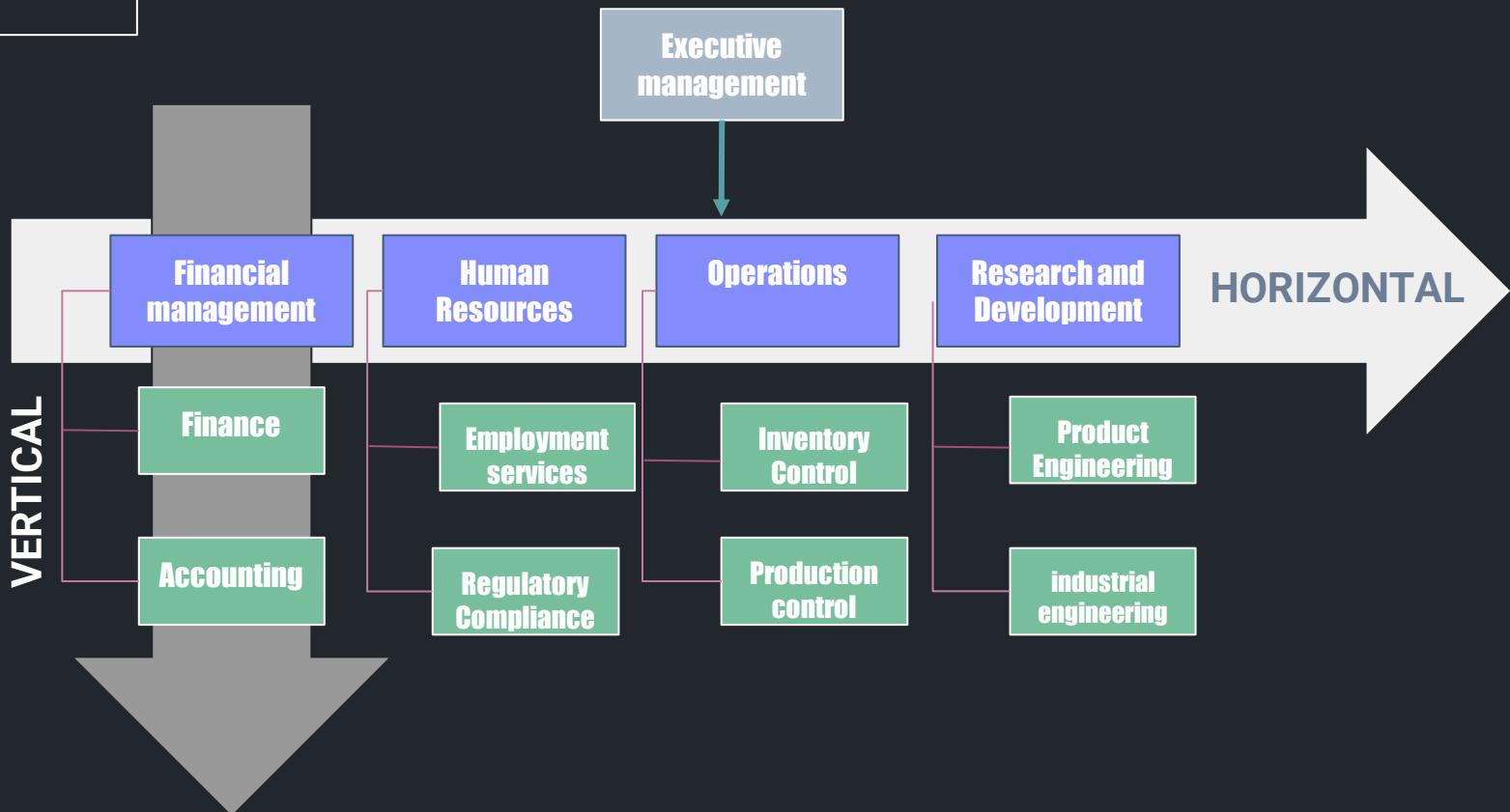
11-9

## Information Flow (Page 2 of 2)



INFORMATION  
FLOW

Information passes horizontally and vertically throughout an information system.

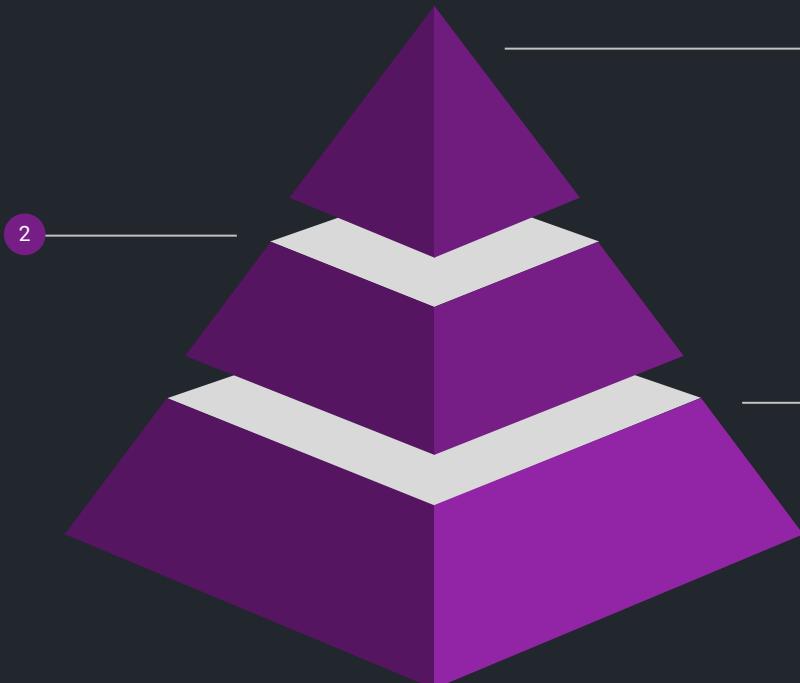


## Management Levels

### Middle Managers

- They are responsible for tactical planning.
- They plan the strategies that manage individual sectors and all tasks related to that sector
- Example: Sales manager sets sales goals.

Three levels are present in the management section of a system.



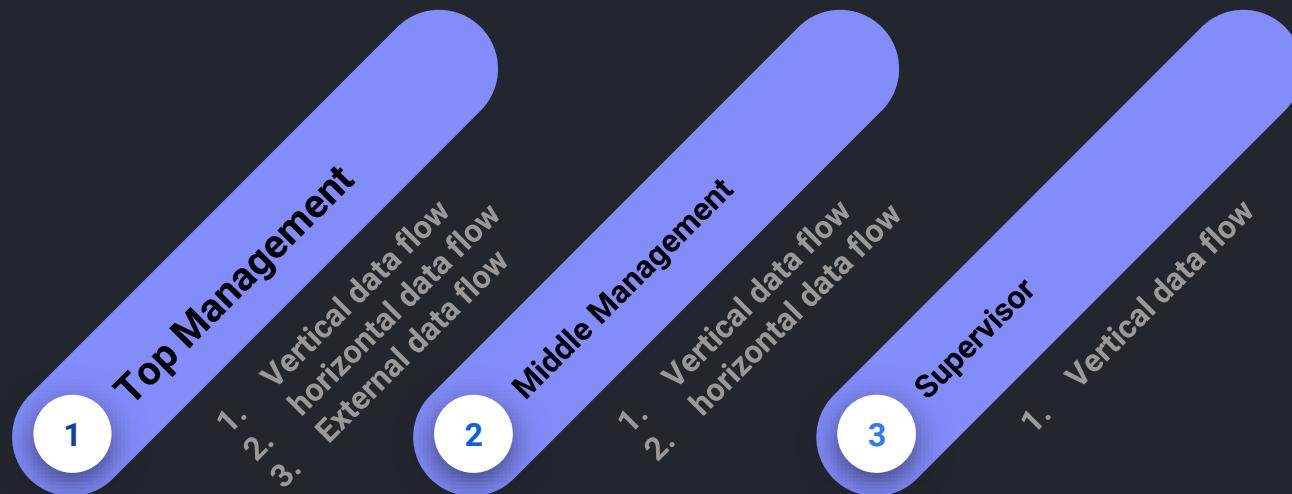
### Top Management

- Is responsible for making decisions that will have long term effects in the business.
- Such as: changing supplier.

### Supervisors

- Manage the operation in each sectors in the business
- Example: Monitors the inventory and restocks when low

## The information needs for each management level is different

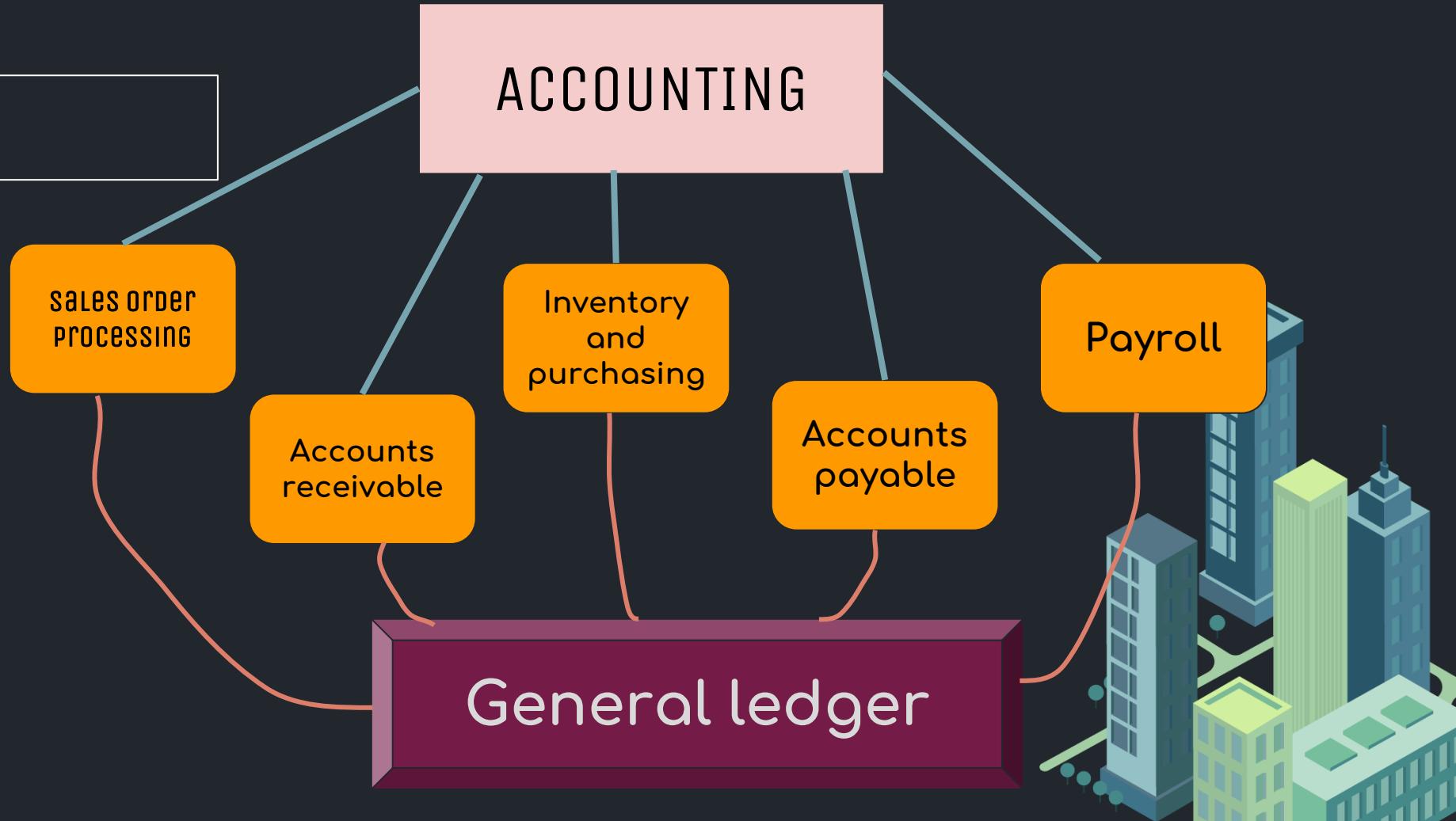


# TRANSACTION PROCESSING SYSTEMS (TPS)

- Helps organization keep track of routine operations and record events in database
- Sometimes called as Data Processing Systems (DPS)
- Essential in accounting area



# ACCOUNTING



# Management Information systems(MIS) & Employee self service(ESS)

# *Management Information Systems (MIS)*

Ø MIS is a computer system consisting of hardware and software that serves as the backbone of an organization's operations.

Ø It collects the data, stores it, and makes it accessible to managers who want to analyze the data by running reports.

Ø The purpose of an MIS is improved decision-making, by providing up-to-date, accurate data on a variety of organizational assets.



## Employee Self-Service(ESS)

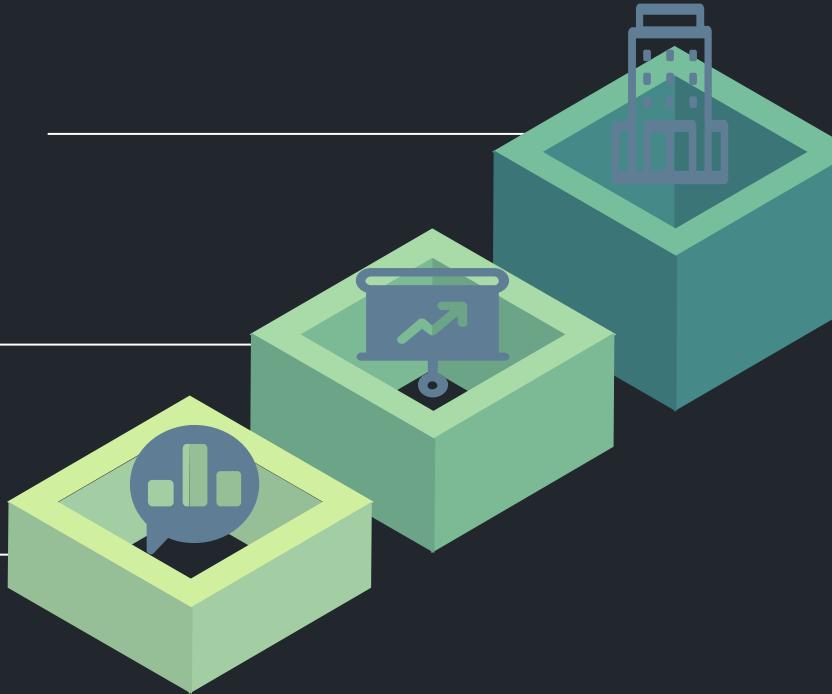
- øEmployee self-service (ESS) is a widely used human resources technology that enables employees to perform many job-related functions.
- øEmployee self-service technology helps to create a positive work culture and to retain talent by giving workers direct control over their employment information.
- øEmployee self-service systems can save time for HR administrators, while giving employees more autonomy to manage their benefits and payroll configurations.

## DECISION SUPPORT SYSTEM (DSS)

Uphold conclusions,  
decisions, and strategies  
in an association

Front-end interface to  
perform SQL decision  
support is provided by  
Microsoft Access

Arranging far reaching  
data that can be utilized  
to take care of issues and  
in decision making



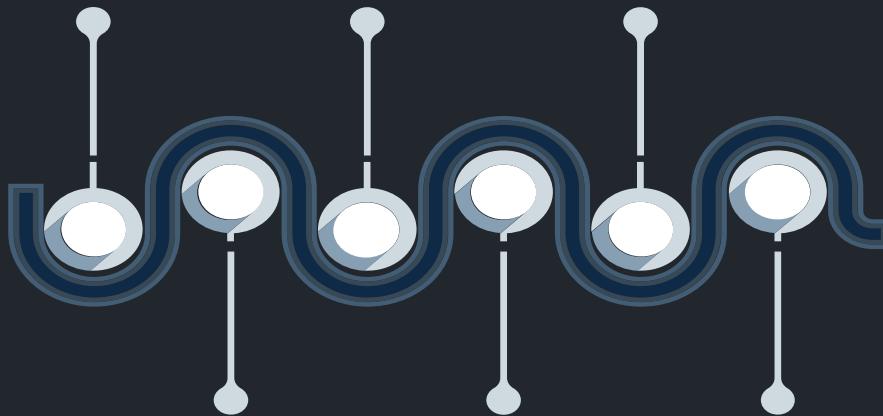
# Parts of a DSS



User



System software



Data



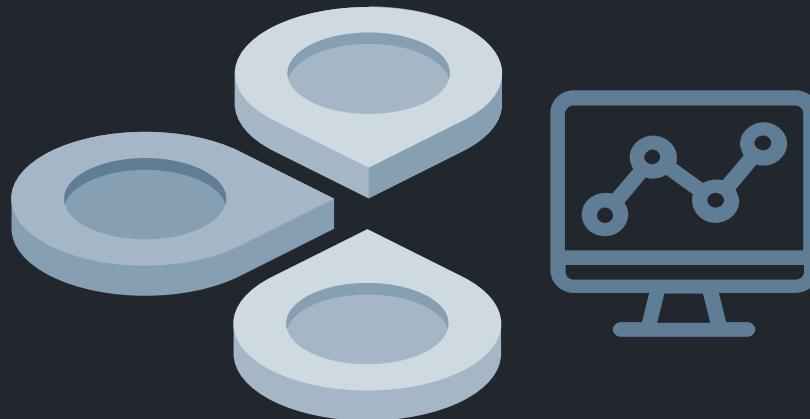
Decision models

## DSS DECISION MODELS

STRATEGIC MODELS

TACTICAL MODELS

OPERATIONAL MODELS



## ABOUT THE PROJECT

### OTHER INFORMATION SYSTEMS

Office automation systems (OASs) and Knowledge work systems (KWSs)

### MANAGING INFORMATION SYSTEMS

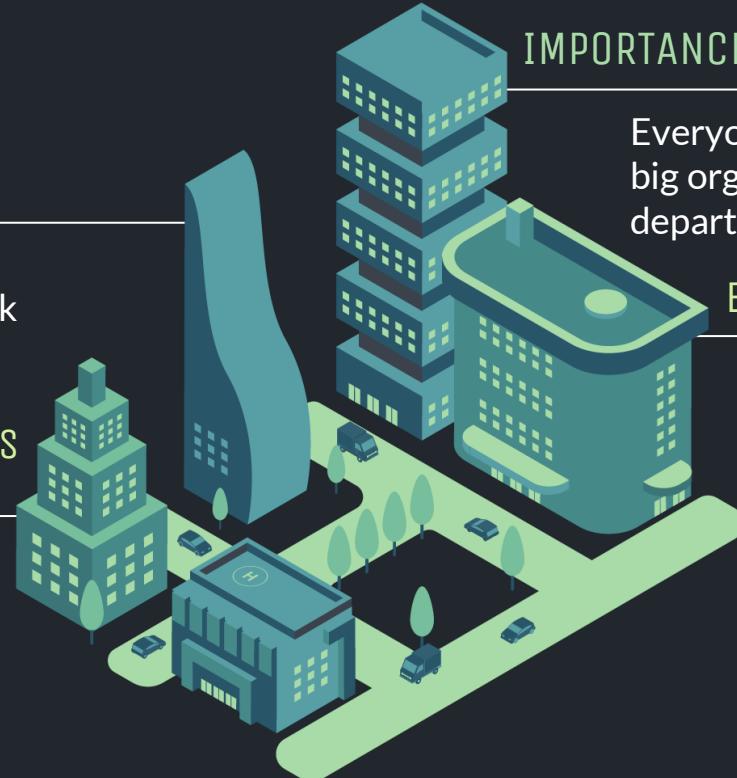
Information systems managers oversee the work of other computer professionals

### IMPORTANCE

Everyone needs it... every type of big organization that has 5 departments.

### EVOLUTION

New job roles, new information systems and the evolution of the term





# THANK YOU!