

# **GOVERNMENT POLYTECHNIC FOR GIRL'S AHMEDABAD**



## **CIVIL ENGINEERING DEPARTMENT “CONSTRUCTION PROJECT MANAGEMENT”**

**( 3360603 )  
Management Information System**

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# What is MIS?

Also known as

- Management Information systems
- Information and decision systems
- Computer –based information systems.

MIS is defined as a Computer-based information system.

MIS is defined as a system which provides information support for decision –making in the organization.



# ROLE OF MIS

- Effective decision making based upon:
- Quality analysis
- Cost & budget analysis
- Risk analysis
- Market analysis
- Inventory analysis
- Stakeholder analysis
- Feedback analysis
- Behavior analysis



# TASKS OF MIS

Following are activities performed during information system processing:

1. Handling of voluminous data
2. Confirmation of the validity of data & transaction
3. Complex processing of data & multidimensional analysis
4. Quick search & retrieval
5. Mass storage
6. Communication of information system to the user on time
7. Fulfilling the changing needs of information.



# IMPACT OF MIS

- Management of departments becomes more sufficient.
- Monitoring of Functional targets become easy.
- MIS helps in better understanding of the business.
- MIS helps in better achievement of goals with a well designs system with focus on the manager.



# STEPS IN DESIGN OF MIS

1. Identify the business needs of all levels of management.
  - Initiating the information need
  - Asking questions about the need
  - Suggesting interpretations about the need
  - Detailing the original statement
2. List the objectives and anticipated benefits.
3. Identify the system constraints (internal and external)

Internal constraints (eg.)

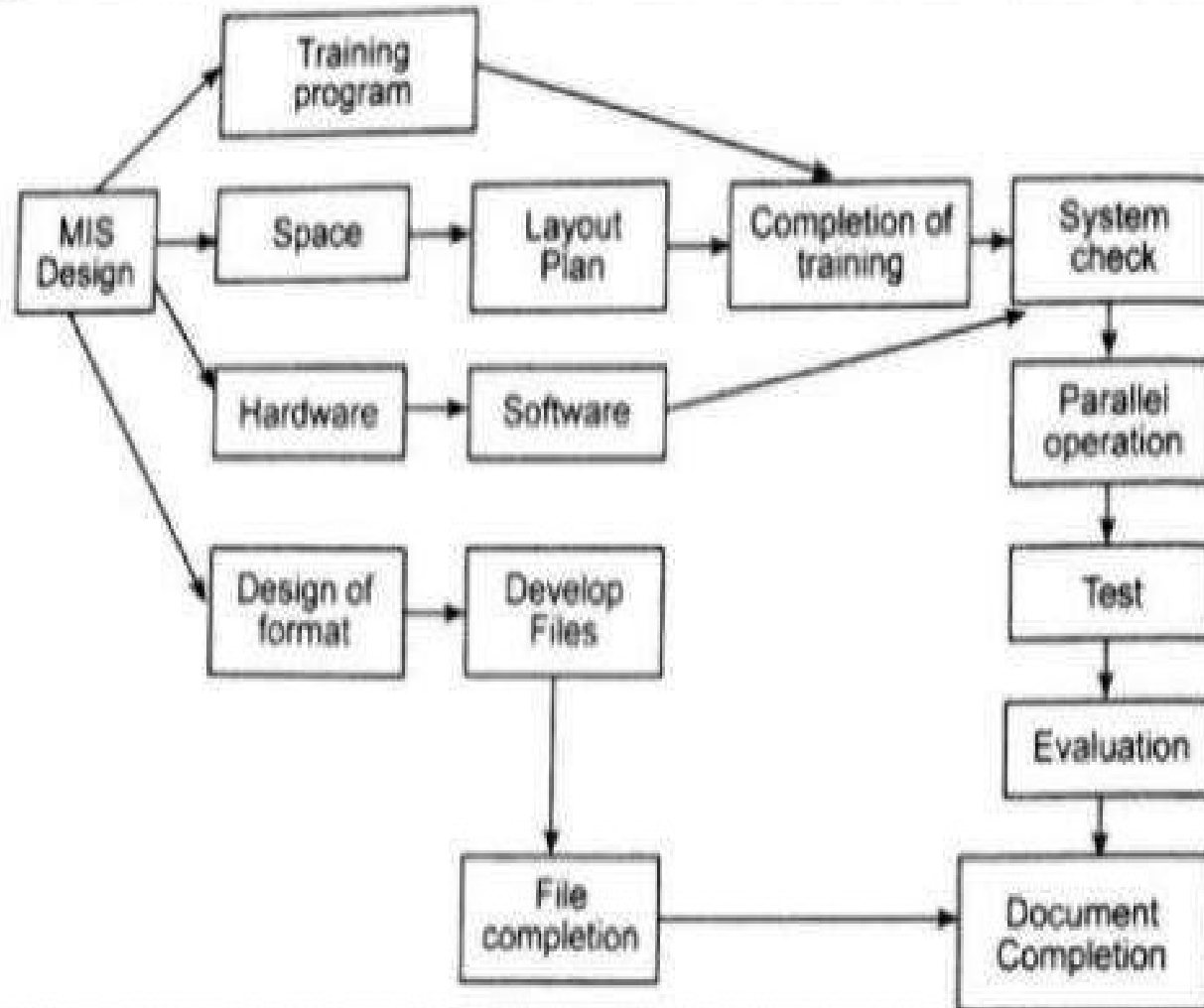
External constraints (eg.)



# APPROACHES OF MIS DEVELOPMENT

- Top down approach
- Bottom up approach
- Integrative approach
- Traditional approach
- Prototyping approach
- End user development approach
- Systematic approach for development in small organization

# IMPLEMENTATION OF MIS



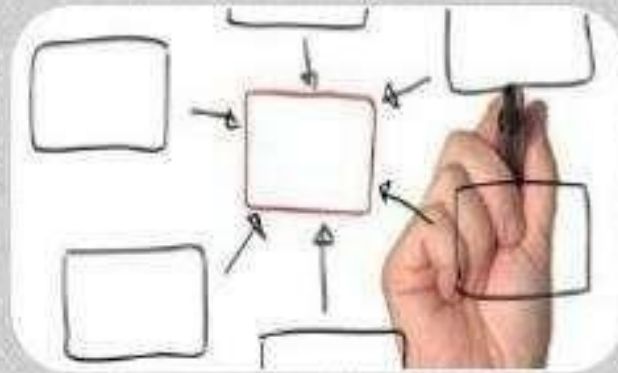




# STEPS OF IMPLEMENTATION OF MIS

- Preparing organizational plan
- Planning of work flow
- Training of personnel
- Development of software
- Acquiring computer hardware
- Designing the format for data collection
- Construction of data files
- Operation of old and new system in parallel
- Phasing out the old and inducting the new system
- Evaluation, maintenance and control of the new system

# APPLICATION OF MIS



1. STRATEGIC SUPPORT



2. MANAGEMENT BY OBJECTIVES



3. DATA PROCESSING



# BENIFITES OF MIS

- ❖ Aid in decision making
- ❖ Better planning and control
- ❖ Core competencies
- ❖ Quick reflexes
- ❖ Enhance supply chain management



# FACTOR FOR SUCCESS OF MIS

- Use friendly design
- Oriented design and developed as per requirements
- Focus on measure issues of the business
- Appropriate information processing technology to meet data processing and analysis needs
- Focus on result an goals
- Developing information support to manage critical success factor



# FACTOR FOR FAILURE OF MIS

- Belief that a computerized MIS can solve all problems
- Developed without streamlining the TPS
- It is conceived as data processing and not as information system
- MIS does not give perfect information to all users
- MIS does not meet critical and key factors such as response to query on database etc.



# LIMITATION OF MIS

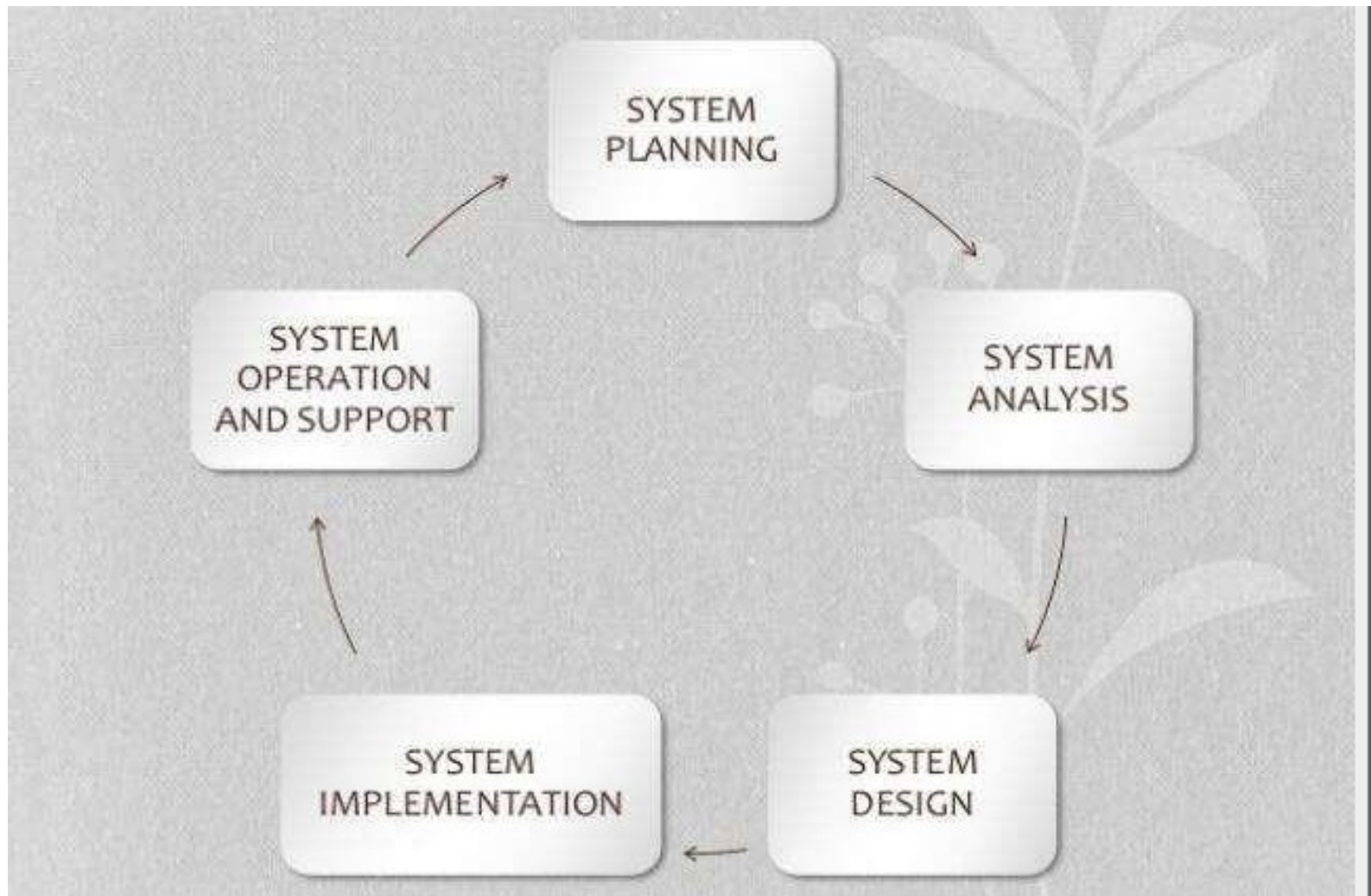
- MIS can not replace managerial judgement in decision-making. It is merely an effective tool for the managers in decision-making and problem-solving.
- The quality of output of MIS is directly proportional to the quality of input and processes.
- MIS can not provide tailor-made information packages. It is required to analyse the available information before decision-making.



# LIMITATION OF MIS

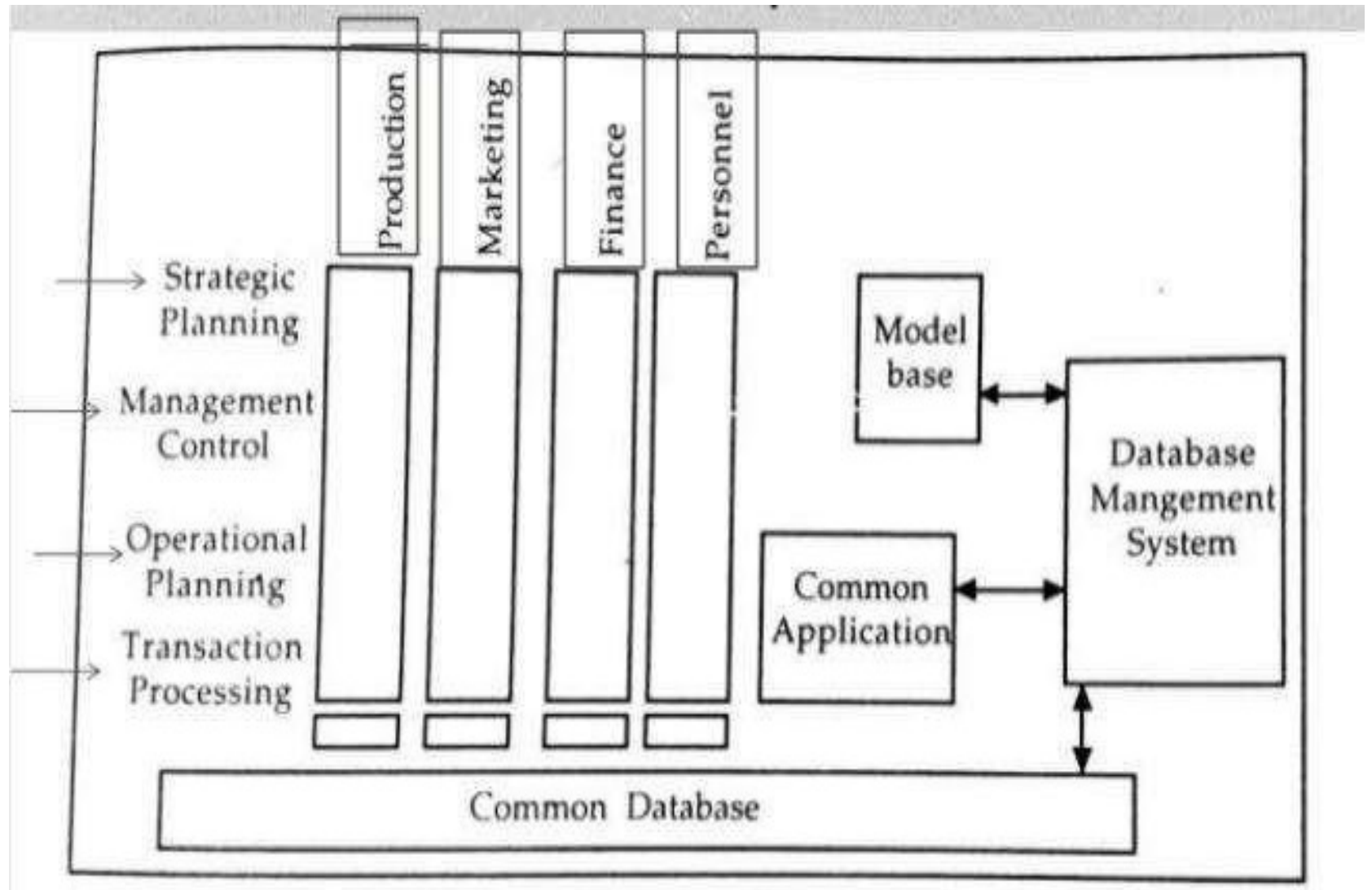
- MIS takes only quantitative factors into account.
- MIS is less useful for making non-programmed decisions.
- MIS is less effective in organizations where information is not being shared with others.

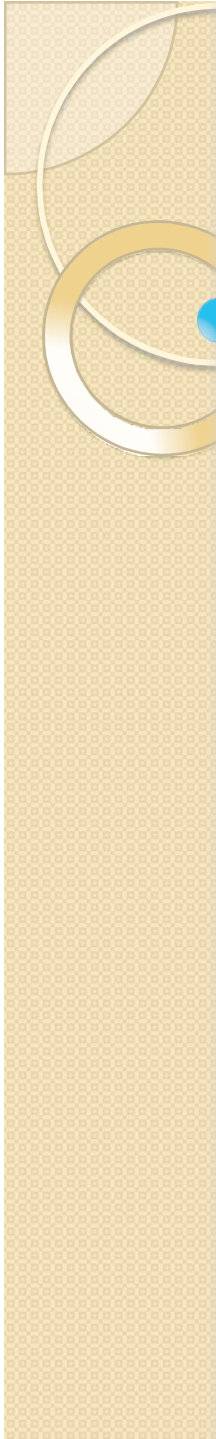
# MIS DEVELOPMENT STAGE





# FINAL OUTPUT





THANK YOU