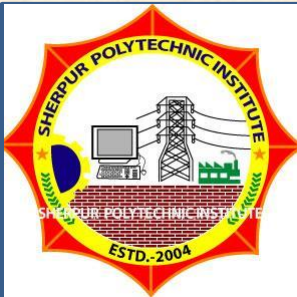


System Analysis & Design

Computer Science & Technology 7th Semester



Sherpur Polytechnic Institute

System Analysis & Design

Chapter-1

Understand the elements of information systems and management

Recap of Previous Session

Discussion about system analysis and design

Today's Session

Learning outcome

At the end of the session learner will be able to perform Understand the elements of information systems and management.

Safety first

PPE



Apron



Musk

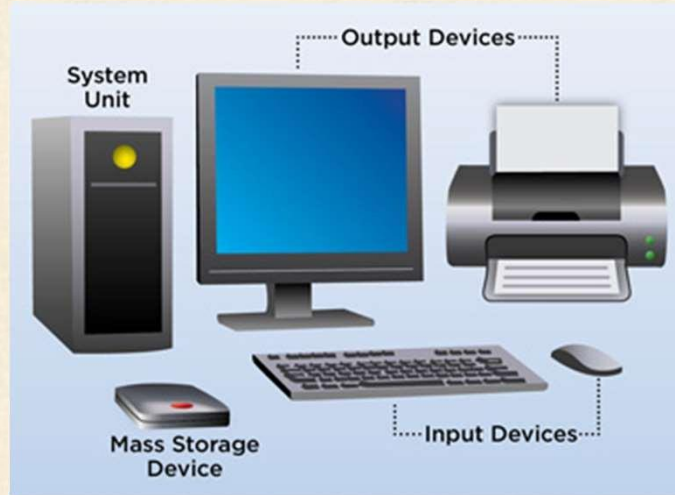


Antistatic Mat



Antistatic Wrist
Band

Tools and Equipments



Personal Computer (PC)



Text Book

Activity

1. Define system and information systems.
2. Mention the characteristics of systems.
3. Describe the key elements of a system.
4. Define open and closed system.

Discussion from text books
according to topic.

Review

Today's Session Most Important Topics.

Today we discussed:

- System and information systems
 - Characteristics of systems
 - Key elements of a system
 - open and closed system
- So Have to practice more.

In the next class we will discuss:

5. Describe the characteristics of open system.
6. Describe the categories of information.
7. State the qualities of information.
8. State the need of computer based information system.

■ **Refer to page 18 of Text Book**

Any Questions?





Welcome

Chapter-1

Understand the elements of information systems and management

Prepared by:

Name: MD. Tofael Alam Siddiquee



Recap of Previous Session & Feedback

- System and information systems
 - Characteristics of systems
 - Key elements of a system
 - open and closed system

Today's Session

Learning outcome

At the end of the session learner will be able to perform Understand the elements of information systems and management.

Safety first

PPE



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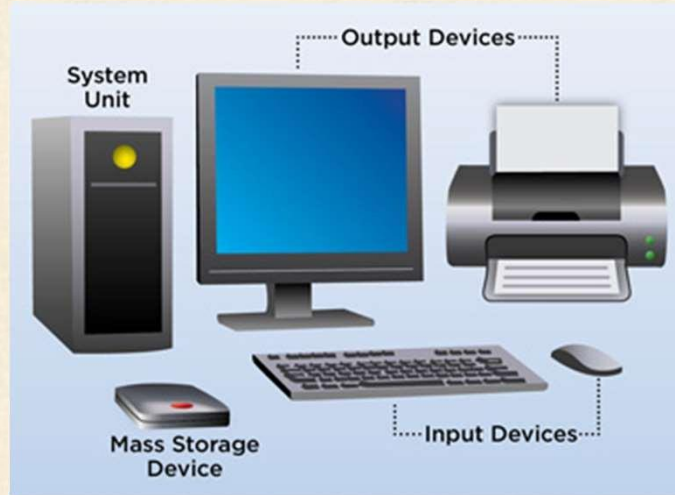


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Tools and Equipments



Personal Computer (PC)



Text Book

Activity

5. Describe the characteristics of open system.
6. Describe the categories of information.
7. State the qualities of information.
8. State the need of computer based information system.

Discussion from text books
according to topic.

Review

Today we discussed:

- Characteristics of open system
- The categories of information.
 - The qualities of information.
- The need of computer based information system.

So Have to practice more.

In the next class we will discuss Chapter 2:

□ Understand the Organizational functions and system development life cycle.

■ Refer to page 25 of Text Book

Any Questions?





Welcome

Chapter-2

Understand the Organizational functions
and system development life cycle.

Prepared by:

Name: MD. Tofael Alam Siddiquee



Recap of Previous Session & Feedback

- Characteristics of open system
- The categories of information.
- The qualities of information.
- The need of computer based information system.

Today's Session

Learning outcome

At the end of the session learner will be able to perform the Organizational functions and system development life cycle.

Safety first

PPE



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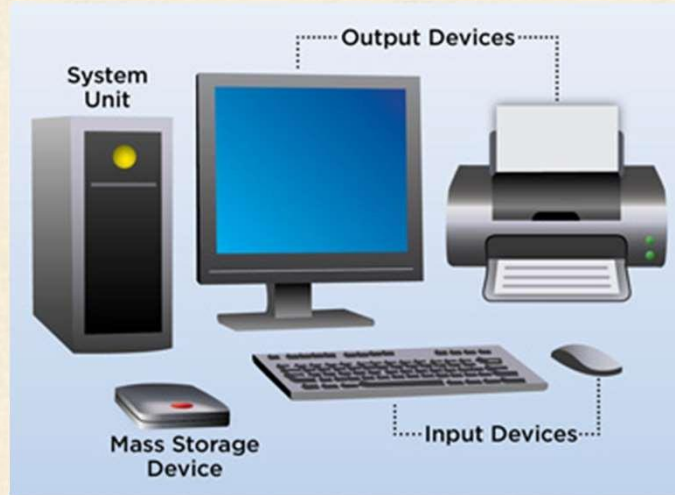


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Tools and Equipments



Personal Computer (PC)



Text Book

Activity

1. State the common functions of an organization.
2. State the various functions an educational institution.
3. State the functions of various departments of a manufacturing organization

Discussion from text books
according to topic.

Review

Today we discussed:

- The common functions of an organization.
- The various functions an educational institution.
- The functions of various departments of a manufacturing organization.

So Have to practice more.

In the next class we will discuss Chapter 2:

□ Understand the Organizational functions and system development life cycle(Topics: 2.4, 2.5, 2.6).

■ Refer to page 31 of Text Book

Any Questions?





Thank
You

Welcome

Chapter-2

Understand the Organizational functions
and system development life cycle.



Prepared by:

Name: Name: MD. Tofael Alam Siddiquee

Recap of Previous Session & Feedback

- State the common functions of an organization.
- State the various functions an educational institution.
- State the functions of various departments of a manufacturing organization

Today's Session

Learning outcome

At the end of the session learner will be able to perform the following topics:

- The Management and Information System levels in an organization.
- The meaning of system development life cycle.
- The function of each stages of system development life cycle (SDLC).

Safety first

PPE



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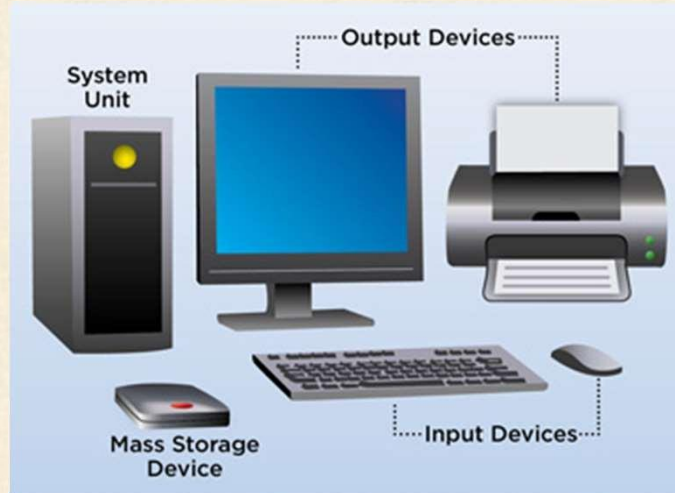


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Tools and Equipments



Personal Computer (PC)



Text Book

Activity

4. Describe the Management and Information System levels in an organization.
5. State the meaning of system development life cycle.
6. Describe the function of each stages of system development life cycle (SDLC).

Discussion from text books
according to topic.

Review

Today we discussed:

- ❑ The Management and Information System levels in an organization.
- ❑ The meaning of system development life cycle.
- ❑ The function of each stages of system development life cycle (SDLC).

So Have to practice more.

In the next class we will discuss Chapter 3:

□ Understand the roles of system analyst and functions of MIS facility center.

■ Refer to page 31 of Text Book

Any Questions?





Welcome

Chapter-6

Understand the feasibility analysis.



Prepared by:

Name: MD. Tofael Alam Siddiquee

Recap of Previous Session & Feedback

- DFD, decision trees, decision table, structured English and data dictionary for sample small process like store/purchase/accounts /order/receive etc.

Today's Session

Learning outcome

At the end of the session learner will be able to perform the following topics:

- The meaning of feasibility study.
- The economic, technical and behavioral feasibility.
- The steps in feasibility analysis.
- The categories of cost and benefit

Safety first

PPE



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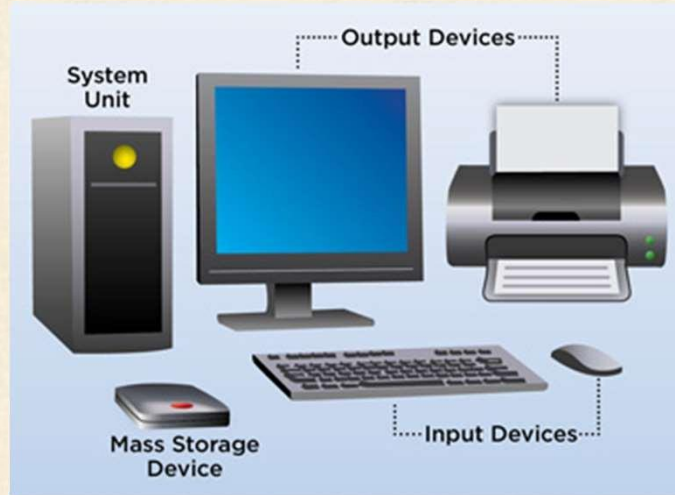


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Tools and Equipments



Personal Computer (PC)



Text Book

Activity

1. Mention the meaning of feasibility study.
2. Describe the economic, technical and behavioral feasibility.
3. Describe the steps in feasibility analysis.
4. State the categories of cost and benefit

Discussion from text books
according to topic.

Review

Today we discussed:

- ❑ The meaning of feasibility study.
- ❑ The economic, technical and behavioral feasibility.
- ❑ The steps in feasibility analysis.
- ❑ The categories of cost and benefit

So Have to practice more.

In the next class we will discuss the following topics in Chapter 6:

6.5 State the procedure for cost/benefit determination.

6.6 State the alternating solutions to be examined during feasibility analysis.

6.7 State the content of feasibility report.

▪ Refer to page 31 of Text Book

Any Questions?





Welcome

Chapter-6

Understand the feasibility analysis.



Prepared by:

Name: MD. Tofael Alam Siddiquee

Recap of Previous Session & Feedback

- DFD, decision trees, decision table, structured English and data dictionary for sample small process like store/purchase/accounts /order/receive etc.

Today's Session

Learning outcome

At the end of the session learner will be able to perform the following topics:

- The meaning of feasibility study.
- The economic, technical and behavioral feasibility.
- The steps in feasibility analysis.
- The categories of cost and benefit

Safety first

PPE



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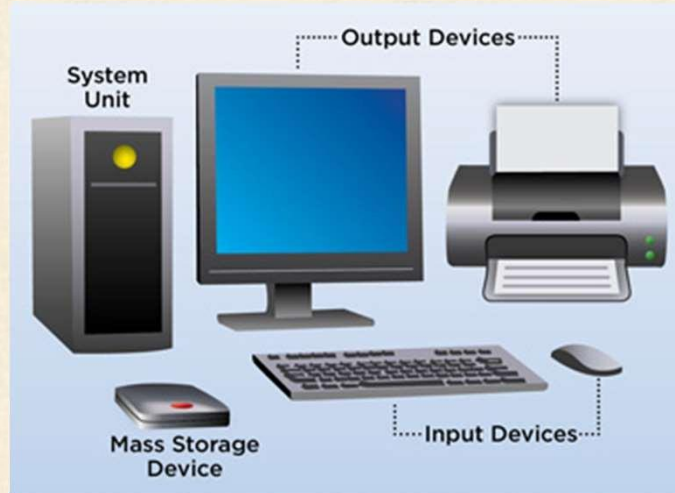


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Tools and Equipments



Personal Computer (PC)



Text Book

Activity

1. Mention the meaning of feasibility study.
2. Describe the economic, technical and behavioral feasibility.
3. Describe the steps in feasibility analysis.
4. State the categories of cost and benefit

Discussion from text books
according to topic.

Review

Today we discussed:

- ❑ The meaning of feasibility study.
- ❑ The economic, technical and behavioral feasibility.
- ❑ The steps in feasibility analysis.
- ❑ The categories of cost and benefit

So Have to practice more.

In the next class we will discuss the following topics in Chapter 6:

6.5 State the procedure for cost/benefit determination.

6.6 State the alternating solutions to be examined during feasibility analysis.

6.7 State the content of feasibility report.

▪ Refer to page 31 of Text Book

Any Questions?





Welcome

Chapter-7

Understand the system design and development.

Prepared by:

Name: MD. Tofael Alam Siddiquee

Recap of Previous Session & Feedback

List the content of feasibility report?

Today's Session

Learning outcome

At the end of the session learner will be able to perform the following topics:

- the meaning of systems design and development.
- Distinguish between logical design and physical design.
- Activities covered in systems design and development.
- the steps in physical systems design and design methodologies.

Safety first

PPE



Apron



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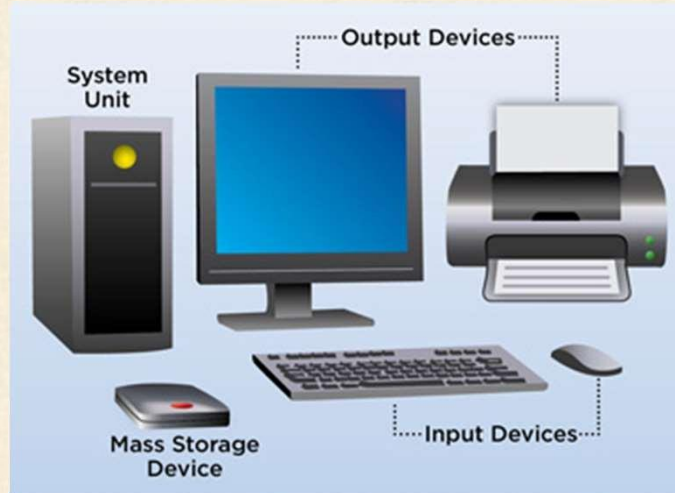


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Tools and Equipments



Personal Computer (PC)



Text Book

Activity

1. Mention the meaning of systems design and development.
2. Distinguish between logical design and physical design.
3. Mention activities covered in systems design and development.
4. Mention the steps in physical systems design and design methodologies.

Discussion from text books
according to topic.

Review

Today we discussed:

- the meaning of systems design and development.
- Distinguish between logical design and physical design.
- Activities covered in systems design and development.
- the steps in physical systems design and design methodologies.

So Have to practice more.

In the next class we will discuss the Chapter 7:

❖ Understand the system design and development (Topics: 7.5 to 7.9).

▪ Refer to page 31 of Text Book

Any Questions?





Welcome

Chapter-7

Understand the system design and development.

Prepared by:

Name: MD. Tofael Alam Siddiquee

Recap of Previous Session & Feedback

Mention the meaning of systems design and
development?

Today's Session

Learning outcome

At the end of the session learner will be able to perform the following topics:

- the meaning of input/output design.
- the characteristics of different forms.
- the factors to be considered to design a form.
- the objectives of database and steps of database design.
- the structure and general principles to be used in designing output reports.

Safety first

PPE



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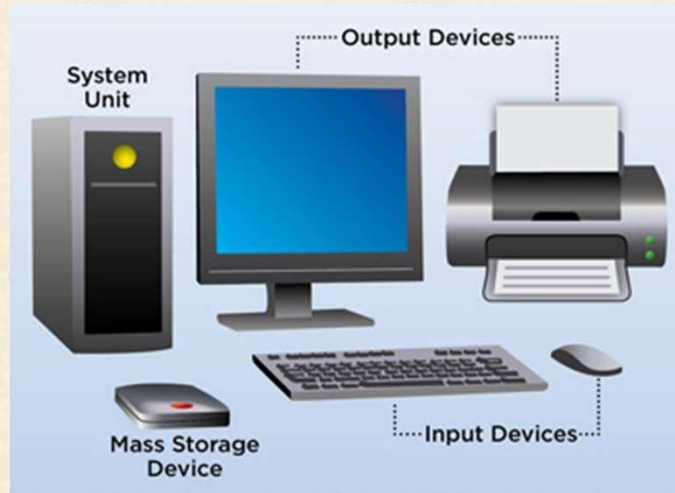


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Tools and Equipments



Personal Computer (PC)



Text Book

Activity

5. Mention the meaning of input/output design.
6. Mention the characteristics of different forms.
7. Describe the factors to be considered to design a form.
8. Describe the objectives of database and steps of database design.
9. State the structure and general principles to be used in designing output reports.

Discussion from text books
according to topic.

Review

Today we discussed:

- ❑ the meaning of input/output design.
- ❑ the characteristics of different forms.
- ❑ the factors to be considered to design a form

So Have to practice more.

In the next class we will discuss the Chapter 8:

❖ **Understand the process of systems testing and security**
(Topics: 8.1 to 8.3).

▪ **Refer to page 31 of Text Book**

Any Questions?



