

New :

## Information System Design

System → greek word  
"systema"



(organized relationship among different functional units or components.)

A structured relationship that means there will be more than one units and they have functions.

- good communication required
- every system needs specific objectives  
(*किञ्चि लक्ष्यं/goal*)  
objectives

vision mission

— यह एवं chap एवं end एवं Ques में हैं "

System has three ~~principle~~ basic Implications :

- ① Pre-determined goals
- ② Interdependence and Interrelationship  
(one component is dependent on another)  
ex: McDonald story
- ③ Overall goal

## Characteristics of a system:

1. Organization
2. ~~External~~ Interaction
3. Interdependence
4. Integration
5. Central objective

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### Types of system:

- \* Physical vs abstract :  
Physical existence ~~or~~ but logically ~~exists~~ কাব্যিতা  
~~or~~ Abstract.

Q: Difference between physical & abstract?

### MODELS

#### 1) Schematic Model

entity , component  
Database implementation কর্মসূচি পদ্ধতি ,

#### 2) Flow System Model

Decision Making  
Workflow implement  
কর্মসূচি পদ্ধতি ,

graph type figure

Q: Why 1st one is different than other one?

flow system a workflow ~~or~~ but schematic a properties

শৈলী ,

### ③ Static System Model

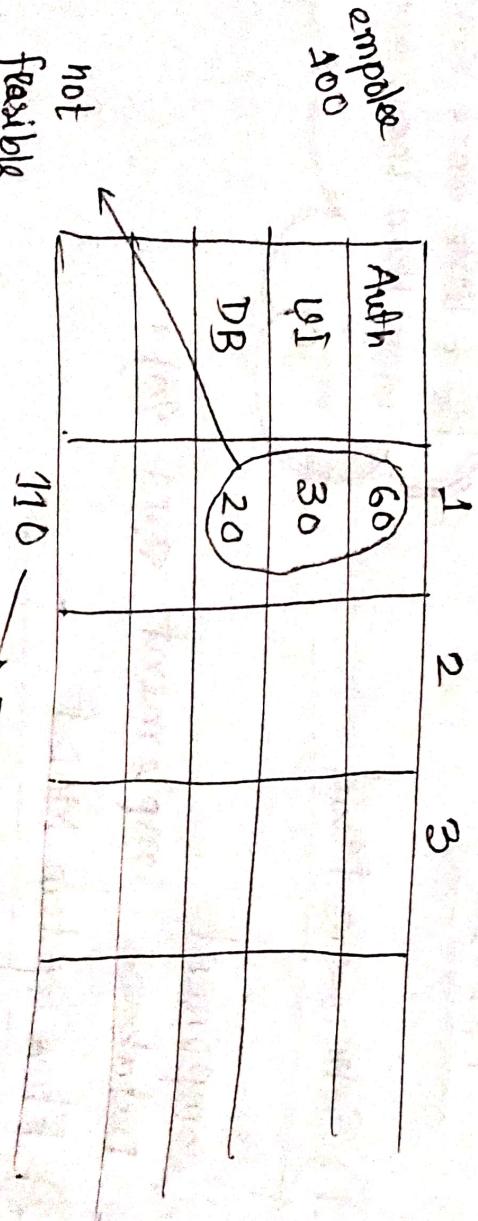
pain after

time एवं against a कठु लेने वाले

cost

pair

example: static model → Grand chart



not  
flexible

which is easily identified. 100%

time एवं अपनी अवधि दर्शा दिया "

আমার নাম আরোহি। My name is Zoraeen.

#### ④ Dynamic System Model

পরিবর্তনশীল

I/P, O/P, processor



[Depreciation]

#### \* 2. Open vs Close System :

একটি system environment এর মধ্যে communicate করে  
বিনামূল

Open : Google search

close : Agora, Shopno's internal system - that are not open  
for all.

-III  
Characteristics of an open system : (Imp for Exam)

Open → Input came from outside

→ Entropy → Depreciation / system loss

→ Process, I/P, cycle

→ Differentiation → coupling

→ Equifinality → A two different process  
reach in final state

#### Information System:

After mid

$\Rightarrow$  strategic planning information  $\rightarrow$  DSS  
goals

Top Management

(Decision support system)  
Decision making a help tool

$\Rightarrow$  Management Control Information  
(Managerial Info)

project run with in static information system

ex: 10 year - plan

Ex (Qn) required system  $\rightarrow$  MIS  
(Managerial Information System)

Head , Manager

$\Rightarrow$  Operational Info  $\rightarrow$  DBS (Data Processing System)

Day-to-Day work ex: 10 min report  
Class Teacher, Group Supervision

These are the categories of Information .

DSS  
L  
MIS elaborately

chap-1 ends here .

TH

## SDLC → System Development Life Cycle

Software Development life cycle is a part of it.

### Stages:

1. Recognition of Need  
problem  $\rightarrow$  जीवन में समस्या

chart  
→ Book. page : 43

Lee - 20

21.06.22

→ Improvement scope  
→ Expediency

## Impetus for System Change (page - 42)

points

Organization  
Sub organization

sys change হলে নতুন ব্যবহাৰ system development হোপা

source → of system ideas

↓  
organization based → authority.  
environment based .  
user,  
System  
analyst



page - 41 impetus → government rules & change

→ consumers  
→ union  
→ competition.

feasibility study এবং মার্কিন,

1. statement of the problem
2. summaries of findings and recommendations
3. Details of findings
4. conclusion / Recommendation

{  
Type  
of org}

## CHAPTER - 3

Lec - 22  
W - 9  
Tues  
28.06.22

■ Project Termination : p - 48

consideration of candidate system

## Prototyping

■ To be a System analyst :

\* Role of a System Analyst :

skill achievement → 2 parts

1. Interpersonal Skill
2. Technical Skill

\* Interpersonal Skill :

→ Communication Important

→ Understanding

→ Who can make you comprehend the topic & who has better communication skill . → (Better).

## Negotiation

Negotiate as you deserve