

New :

Week-6
01.06.22
Wed
Lec-16

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.

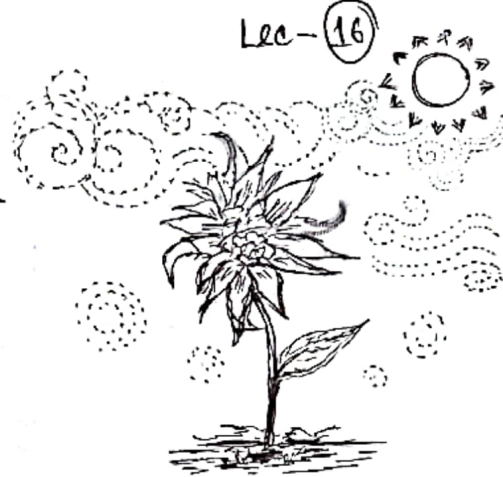
- good communication required
- every system needs specific objectives
(কিছু লক্ষ্য/goal)
objectives

vision mission

বই এর chap এর end এর Ques গুলো "

System has three ^{basic} ~~principles~~ Implications :

- ① Predetermined goals
- ② Interdependence and Inter relationship
(one component is dependent on another)
ex: McDonald story)
- ③ Overall goal



characteristics of a system:

1. Organization
2. ~~Inter~~ Interaction
3. Interdependance
4. Integration
5. Central objective

Lec-17

Types of system:

* 1. Physical vs abstract:

Physical existence ~~না~~ but logically ~~এটা বস্তু~~ implement
যাও আছে Abstract.

Imp. Difference between physical & abstract?

Physical address
fixed. Logical address
can be changed.

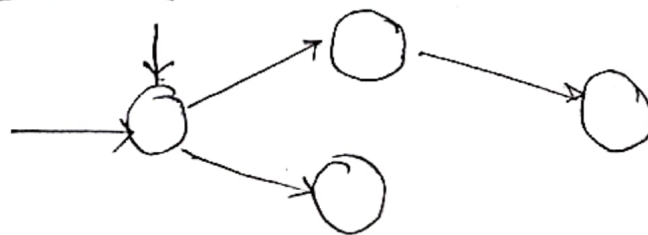
MAC Address → Fixed
IP Address → Logical

MODELS

① Schematic Model

entity, component
Database implement করার জন্য।

② Flow system Model



graph type figure

Decision Making
Workflow implement
করার জন্য।

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

flow system is workflow আরে but schematic is properties
আরে।

③ Static System Model

pair against
 time against
 cost against
 pair

example: static model → grand chart

employee 100

	1	2	3
Auth	60		
UI	30		
DB	20		

not feasible which is easily identified.

110 → 100

time against a chart

আমার নাম যারিন। My name is Zareen.

④ Dynamic System Model

নব্বিওনকীন

i/p, o/p, processor

Depreciation

— x —

* 2. Open vs Close System :

একটি system environment এর সাথে communicate করে
দিনা ॥

Open : Google search

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

✱ ✱ ✱

• Characteristics of an open system : (Imp for Exam)

Open → Input came from outside

→ Entropy → Depreciation/system loss

→ Process, o/p, cycle

→ Differentiation → coupling

→ Equifinality → A two different process
reach in final state

Information System :