

~~Handwritten~~

Seg 8

Hardware Criteria Selection

- must be support current software
- Compatible with existing network
- must be upgradeable
- Warranties must be long days.
- maintenance performed by employ steep & local vendor

Software Section Criteria

- Must be compatible with current hardware
- " " - long time warranties
- " " appropriate cost
- " " maintained by vendor - staff.
- " " adjust current technology.
- " " enhance business goals.

Security means prevention, Detection and Reaction.

In your system

(ors) Detector recover or

Security Issues

Exposure: Single interface when system open to damage.
ଅମୁକା ସମ୍ପର୍କ (ଅମୁକା ସମ୍ପର୍କ)

Vulnerability: weakness in the system, cause loss or harm
weak point attack area

Threats: object person other entities responsible damage.
ଅପର (ଅପର)

Control: Control: limit power (weakness reduce area)

Types of threats

Interruption - Asset area damage or loss

Interception - having access to asset access limit or

Modification - having system or modify the data base
value change or limit

Fabrication - creating (inserting) access limit

3 Security goals.

Confidentiality - asset only authorized

Integrity - modify only

availability - data any available

VULNERABILITIES

& type

→ hardware →
→ Software →
→ data →

Method of defense

Encryption →

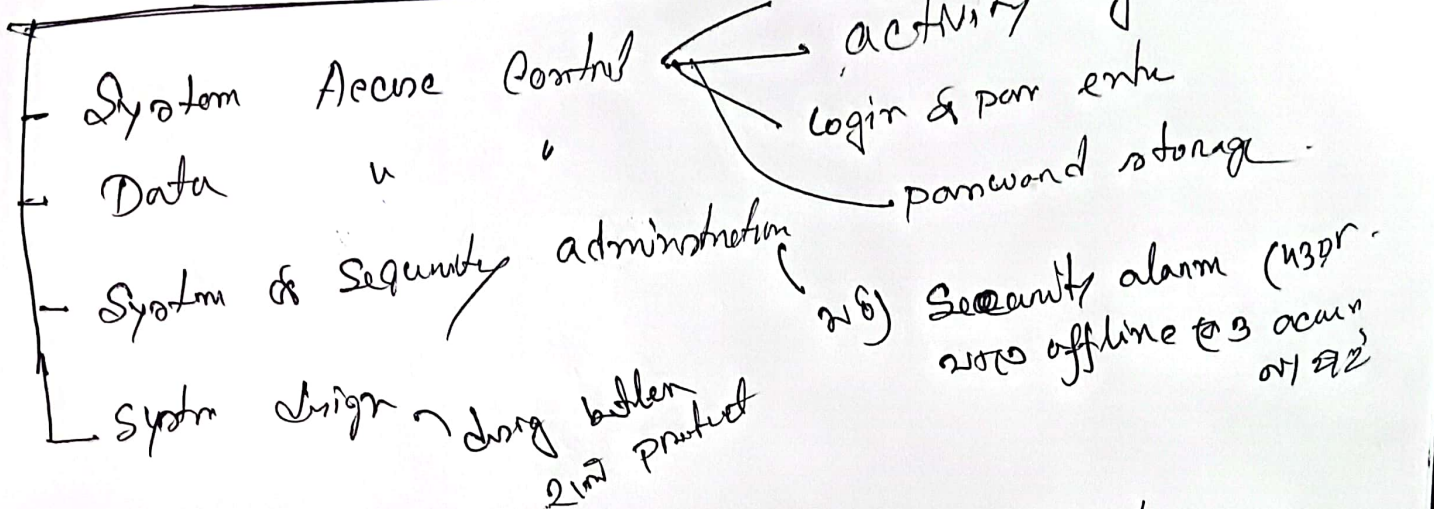
Software controls →

hardware →

Policies →

Cyber law, strong legal
Contract

4 types of system protection



④ Data access control - Decide who wants access to protect self

Access Control Matrix

| | file 1 | file 2 |
|---|--------|--------|
| A | rw | rx |
| B | w | rd/w |

Capabilities

focus of sub

| | file 2 | name |
|---|--------|------|
| A | u | 3 |
| A | u | 3 |

Access control list (ACL)

| file 3 | A → rw | B (w) |
|--------|--------|-------|
| | | |