

PROFESSIONAL PRACTICES - FAIZ AHMED

Ethics, norms, standards

28/10/22

agile hr

اخلاقيات

Ethics:

Manners, values.

Ethics comes from best practices.

Gradually, it becomes your standards.

I.T. Company → Services → Ethics.

21-05-Application

Social Engineering:

"If you are not paying for the product, you are the product".

→ Dumpster Diving
disposing or discarding data.

SLA
(Service Level Agreement)

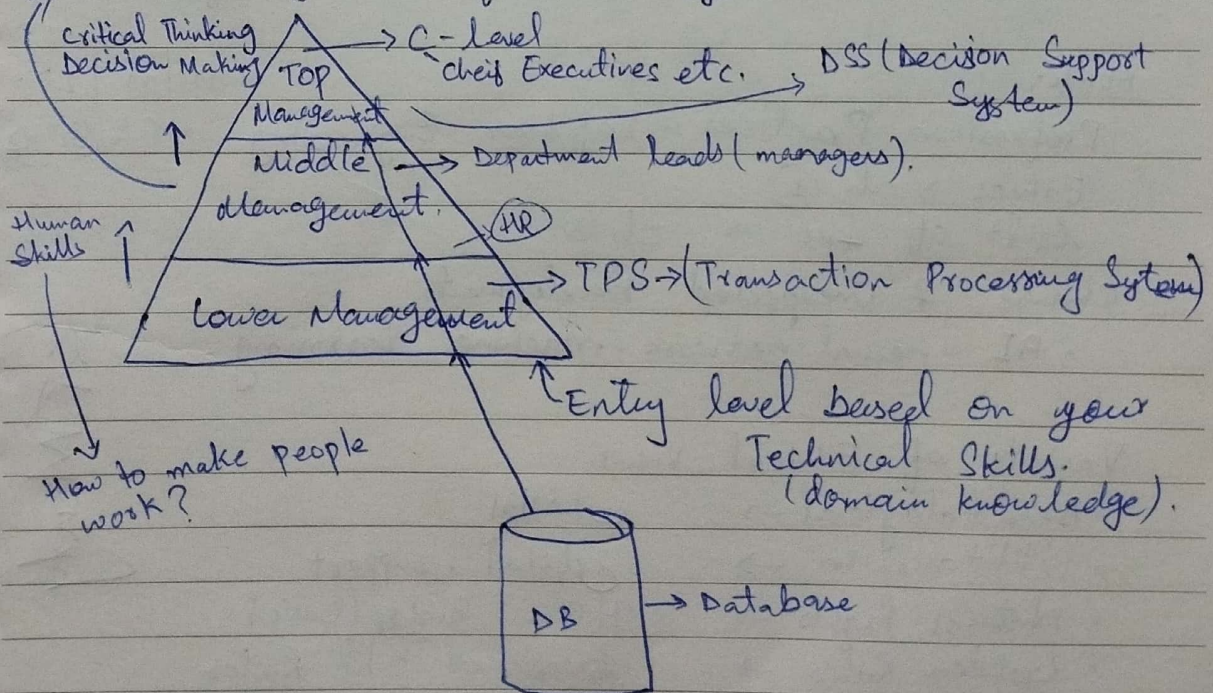
Information System:

3/11/22

• Information Technology:

People + System + Infrastructure.

MIS → Management Information System



Profession:

collective body of person engaged in a specialized field

In 1818, Civil engineering institutions started

Engineering:

CPD (Continuous Professional Development)

PEC
Pakistan
Engineering
Council

BS-SE $\xrightarrow{\text{HEC}}$ accredited
BE-SE \rightarrow HEC + PEC

Absolutism

vs

Relativism.

Rigid

Flexible

Adaptable.

Efficiency v/s Effectiveness.

\downarrow
How to manage time?

Pace of Change:

10/11/22.

agile

Books

11/11/22.

Professional Practices - Software Engineering \rightarrow Ch ① & ②

Ethics \rightarrow ch ①

Gift of Fire \rightarrow ch. ②

\downarrow
next week

Change & Unexpected Development.

• AI \rightarrow neural network, machine learning.

Variety of Ethical Views.

• Deontological \rightarrow اهل

• Utilitarianism \rightarrow اهل, support

• Natural Rights \rightarrow Human Rights (Basic)

• Golden Rules \rightarrow Basic or Old Rules

It's Marty

-: PRIVACY:-

maintaining confidentiality
protected.
secrecy

Laws Amendment Related to Privacy.

Privacy Threats:-

- law enforcing agencies can access personal data
- insiders (gandhi wala DALAL)
- theft of information
- due to carelessness, leakage of info.
- own actions.

inadvertent
غیر ارادی

Self Branding

18/NOV/2022

Privacy - New Risks

data archiving

Data Analysis

Database v/s.

Data ware house

↓
CRUD on Data
queries

↓
• Storing data in bulk
• inserting data in multidimensional form

POWER BI

stakeholders

CYBER CRIME PREVENTION TIPS

Pakistan Electronic Crime Act (PECA) → make sure to do search for this topic
2016

Cyber Crime:-

Cyber wing is in FIA, who deals with cyber crimes.

fraud, identity stealing

• piracy

http / https
ssl protocols

25/NOV/22.

PECA:

- The law came in 2016.
- A comprehensive framework for various cyber crimes
- It is in accordance with Cyber Crime Bill 2007.
 - Illegal Access of Data (Hacking).
 - Denial of Service Attack (DOS Attack).
 - Electronic forgery or Electronic Fraud.
 - Cyberterrorism.
- 3yrs imprisonment, 1m fine or both for accessing critical information system without authorisation.
- ~~xxx~~ Data damage.
- Electronic Fraud.
- Electronic Forgery.
- Malicious Code.
- Cyberstalking
- Spamming
- Spoofing
- Cyberterrorism
- Hate Speech
- Offences against dignity of a natural person.
- digital threat (blackmail)

25/11/22

Electronic Transaction Ordinance - 2002 (ETO).

2002 → ETO



2007 → Electronic/Cyber Crime Bill.



2016 → PECA (Prevention of Electronic Crimes Act)



2022 → Amendments In PECA

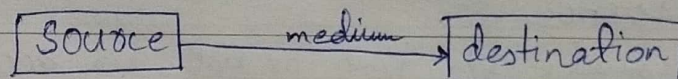
MOITT → Ministry of Information ^{Technology} & Telecommunications
↳ presented PECA.

8-9 years were taken to make this bill (PECA).

PERCEPTION OF POWER:

1/12/2022

COMMUNICATION



communication distortion.

full duplex

half duplex

- through proper channel.

- Contract / Agreement (Agreement can be change or renew and contract is for limited time)

- SLA ⇒ Service Level Agreement

- Bond Paper?
50 wala, 100 wala