PARSHWANATH CHARITABLE TRUST'S
A.P. SHAH INSTITUTE OF TECHNOLOGY
Department of Computer Science and Engineering
Data Science

CSE DATA SCIENCE
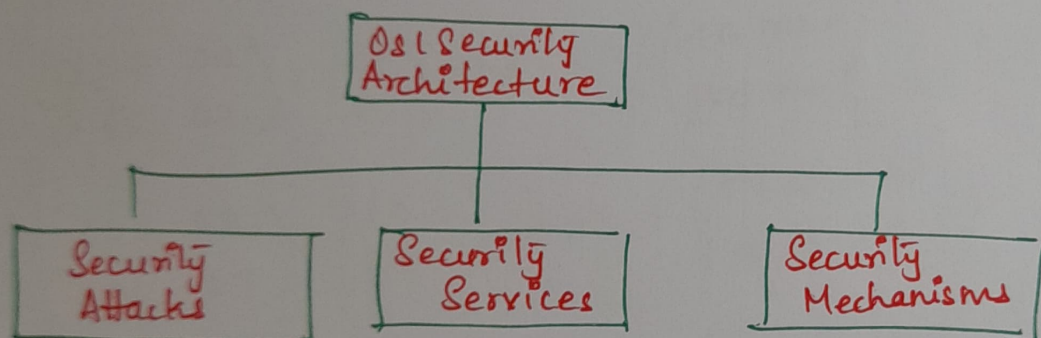
Semester : Ⅵ   Subject : CSS   Academic Year: 2023-2024 .

THE OSI Security ARCHITECTURE:

The Open System Interconnect (OSI) security architecture was designed by the ITU-T (International Telecommunication Union. Tele communication).

The ITU-T decided that their standard "X.800" would be the ISO security architecture.

The OSI architecture focuses on security attacks, mechanisms, and services.

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            │  OSI Security     │
            │  Architecture     │
            └──────────────────┘
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     ┌───────────────┼───────────────┐
┌──────────┐   ┌──────────┐    ┌──────────────┐
│ Security │   │ Security │    │ Security     │
│ Attacks  │   │ Services │    │ Mechanisms   │
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(1) **Security Attacks** : An attack is when the security of a system is compromised by some action of a perpetrator. Attacks could either be active attacks or passive attacks.

(2) **Security mechanisms** : A mechanism that is designed to detect, prevent or recover from a security attack.

(3) **Security Services** : A service that enhances the security of the data processing systems and the information transfers of an organization. The services make use of one or more security mechanisms to provide the services.

Subject Incharge: Prof. Sarala Mary   Page No._____

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