

# ISO 27001:2013 Information Security Management System

# What is Information?

- It is the fact provided or learned about something or someone
- It is an asset essential to an organization's business and needs to be protected
- This information may be in different forms such as printed, written, electronic storage, post, email etc.

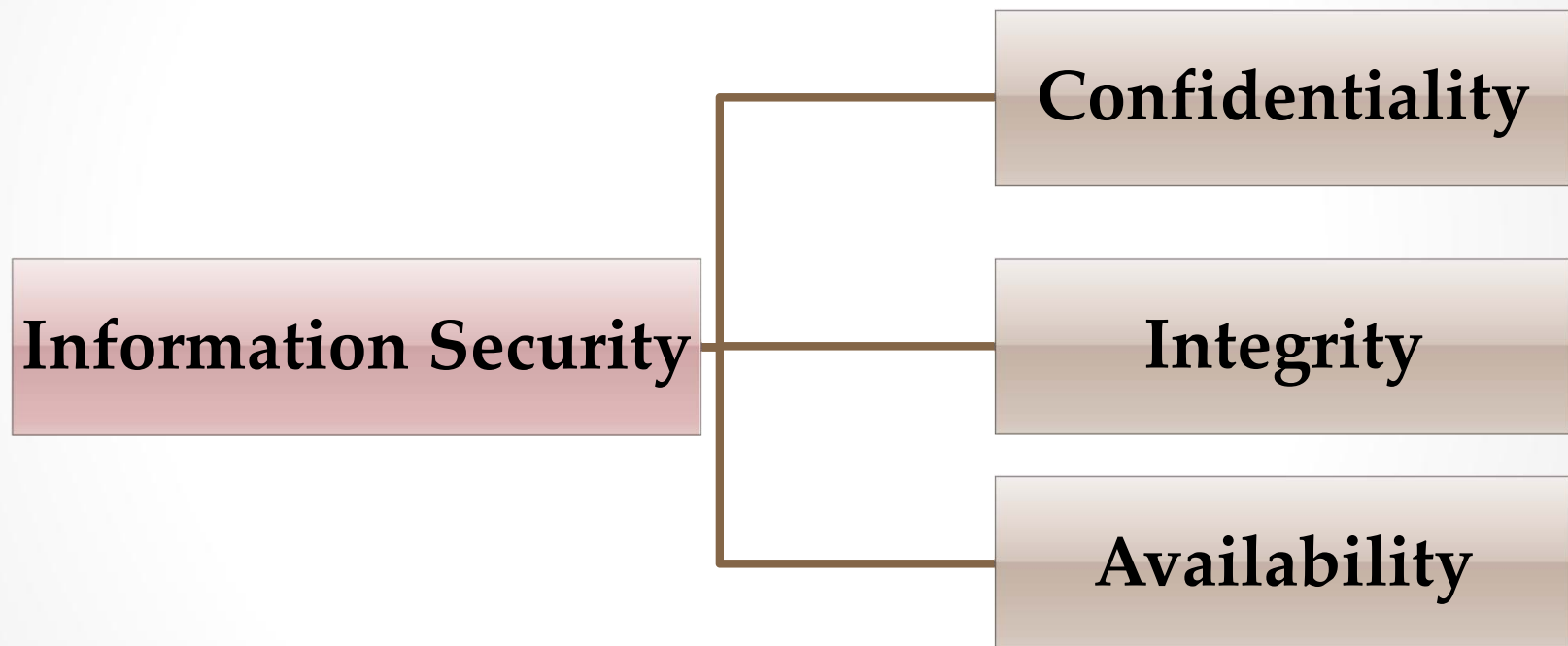
# What is Information Security?

- Information security helps in protection of information and also the information systems from unauthorized approach , revealing, dislocation, modification, studying, inspection, recording or destruction, cyber attacks, hacks, data leak etc.
- It is the process of protecting an organization's data from unauthorized access or changes to ensure its availability, confidentiality and integrity.

# Why Information Security is Needed?

- Most of the Organizations, their information systems and networks are facing wide range of security threats such as,
- Computer – assisted fraud
- Sabotage
- Vandalism
- Fire / flood
- Hacking
- Denial of service attacks

# ISO 27002 defines Information Security



# What is an ISMS?

- Information Security Management system (ISMS) is a set of procedures and policies that consistently helps managing an organization's important data
- The goal of an ISMS is to reduce risk and assure business continuity
- An ISMS distinctly handles employee behavior and processes as well as data and technology

# Who needs ISMS?

Every organization which values information needs to protect it. Example-

- Banks
- Call centres
- IT Companies
- Government bodies
- Manufacturing concerns
- Hospitals
- Insurance companies

# Benefits of ISMS

- Ensure through discipline
- Risk management
- Secure environment
- Minimize security violations
- Increase in trust, customer confidence and business opportunities



# Objectives of Information Security

Conservation of

- **Confidentiality** : It is used to ensure that the information is available only to the authorized users
- **Integrity** : It is used to safeguard the accuracy, information completion and its processing methods
- **Availability** : It is used to ensure that the information and its critical services are accessible to authorized users whenever needed.