



SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore – 641 107

An Autonomous Institution

Accredited by NBA – AICTE and Accredited by NAAC – UGC with ‘A’ Grade
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING(IoT and
Cybersecurity Including BCT)**

COURSE NAME : Fundamentals Of Cryptography

II YEAR / III SEMESTER

Unit I

Topic :CIA Model

CIA MODEL

The CIA triad is a common model that forms the basis for the development of security systems. They are used for finding vulnerabilities and methods for creating solutions.

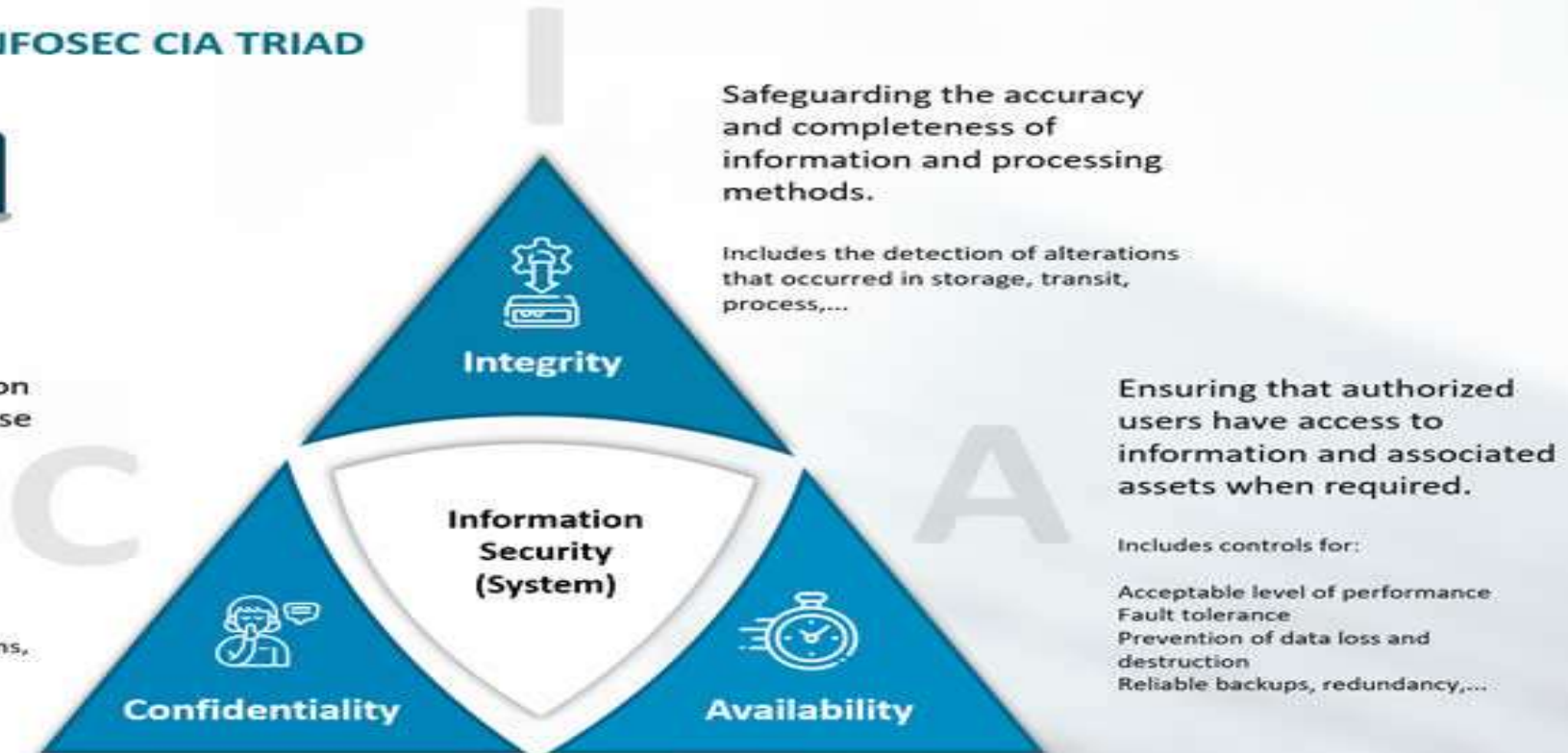
CYBERSECURITY – INFOSEC CIA TRIAD



Ensuring that information is accessible only to those authorized to have access.

Includes:

- Protection from unauthorized access and use;
- Protecting data on systems, in transit, in process,...



Safeguarding the accuracy and completeness of information and processing methods.

Includes the detection of alterations that occurred in storage, transit, process,...

Ensuring that authorized users have access to information and associated assets when required.

Includes controls for:

Acceptable level of performance
Fault tolerance
Prevention of data loss and destruction
Reliable backups, redundancy,...