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 Including CS&BCT

COURSE NAME : **19SB402**- NETWORKING AND CYBERSECURITY

II YEAR / III SEMESTER

Unit II- **SECURITY THREATS**

Topic : **Sources of Security Threats**

Security Threats:

➤ Any threat (or) connected series of threats to commit (or) intentional attack.

➤ Against a Computer system for the purpose of demanding Money, Securities (or) other tangible (or) intangible property.

Sources of Security Threats Cont..

Sources:

1. Spoofing Identity (Authentication)

   ➢ Someone else use the password.
2. Tampering with Data (Integrity)

   ➢ Modification of Data. Either Data at rest, (or) data sent over a network.
3. Repudiation (Non – Repudiation)

   ➢ Sending (or) receiving data.
4. Information Disclosure (Confidentiality)

   ➢ User reading data without granted access.
5. Denial of Service (Availability)

   ➢ This relates to the availability of a system.
6. Elevation of Privilege (Authorization)

   ➢ Less privileged user gets higher privileges.

   ➢ Normal user obtaining root privileges.

Example:

- ➤ Unwanted user reads the files of other user.
- ➤ Attacker Modifies the database.
- ➤ Remote attacker runs commands on the Server.

Any Queries

Thank You!