GLOSSARY

Access Control — limiting access to IS resources only to authorized users, programs, processes, or other systems.

Attack phase — Coordinated transmission of attack traffic against a victim.

Adjacency Matrix — It's a Matrix whose elements indicate whether there exists a link between a component pair.

Component — An Identifiable/workable part (software/ hardware) that acts as a building block of an Information System.

Dependency Hell — When a package depends upon another one, and this one in-turn depends on another package or library and so forth.

Exploit — When a software makes full use of a bug or vulnerability in a victim machine in order to gain control of the machine for launching/configuring a security attack.

False Positive — Normal traffic falsely recognised by the detection scheme as attack traffic.

False Negative — Attack traffic falsely recognised by the detection scheme as a normal traffic.

Fault Tolerance — How to ensure a service up to fulfilling the system's function in the presence of faults.

IP-Filtering — Allow or disallow an IP Packet at an IP router, based on some filtering rule

IP-Spoofing — Masquerading an IP Address for unauthorised use.

Information System — The entire infrastructure, organization, personnel, and components for the collection, processing, display, storage, transmission, dissemination, and disposition of information.

Inward DoS attack — From the victim point of view a DoS attack consists of incoming attack packets.

Outward DoS attack — From the attack source point of view a DoS attack consists of outgoing packets.

Response Time — Amount of time it takes for the server to respond to a user request.

Service Level Agreement — A contract signed between a User and a Service Provider that guarantees the level of service promised.

TCB — A special data structure used by TCP for storing information about incoming connections.

Threat — Any event with the potential to adversely impact an Information System through illegitimate means

Victim — Machine under attack.

Vulnerability — A weakness in a system allowing unauthorized action.