

**Department of Computer Engineering**

**LMS Assignment 3**

Q. 1 Explain the types of criminals which can cause a threat to security goals. [

Threats can be classified according to their type and origin:[2]

Types of threats:

Physical damage: fire, water, pollution

Natural events: climatic, seismic, volcanic

Loss of essential services: electrical power, air conditioning, telecommunication

Compromise of information: eavesdropping, theft of media, retrieval of discarded materials

Technical failures: equipment, software, capacity saturation,

Compromise of functions: error in use, abuse of rights, denial of actions

Note that a threat type can have multiple origins.

Deliberate: aiming at information asset

spying

illegal processing of data

Accidental

equipment failure

software failure

Environmental

natural event

loss of power supply

Negligence: Known but neglected factors, compromising the network safety and sustainability