

# Safety and security

Safety:

Focuses on system reliability and proper functioning

industrial control systems

- Examples: preventing system crashes in medical devices, ensuring proper operation of

Security:

Aims to protect against intentional malicious actions

Focuses on protecting data, systems, and networks from unauthorised access or attacks

Concerned with threats like data breaches, hacking, or malware

# Security



**Focuses** 

ensuring

system

proper

system

# devices,

medical

### systems

reliability

# Security

# preventing



proper

#### unauthorised

#### crashes

#### actions

# Safety

against

Examples:

#### control

#### industrial

Aims

operation

## networks

**Focuses** 

protect

systems,

## attacks

## intentional

# hacking,

## protecting

#### V / ı

Concerned

malware

## breaches,

## threats

#### access

# functioning





## malicious

exploit



#### program

#### program

# correctly

#### ı

## attacker

#### CUL

#### program

## doesn't



#### program

# functioning





## malicious