**BEANSTALK GROUP 1CE3 Sun 18TH February 2024**

**SMART HOME NETWORK ARCHITECTURE**

**NETWORK DEVICES**

* Router
* Wireless router
* Firewall
* Switch

**HOME CONNECTED DEVICES**

* Smartphone
* Pc
* Cctv
* Laptop
* Smart tv
* Printer
* Scanner
* Game console
* Copier

**SECURITY MEASURES**

Using a firewall

* To safeguard home users from threats.
* To filter outgoing and incoming traffic.

Create separate networks

* We divided our home network into two subnets, one for wired devices and the other for wireless devices.

Physical Security

* We recommend physically securing the routers and switches to prevent unauthorized access to data and tampering.
* We recommend implementing security cameras with strong passwords and encryption to monitor your home, deter intruders, and record potential incidents.

Configuration and Management

* Regular security audits have been enabled to identify and address vulnerabilities
* We enabled encryption for the router (WPA3)
* Setting up a security password for the router
* Changing the default network name
* Creating guests’ access by enabling guest accounts
* We hide our network or SSID name
* Disable remote access
* Update firmware regularly