**WLAN Components**

**- WAP (Wireless Access Point):**

* **Central hub, bridges wired/wireless.**
* Transmits/receives signals.

**- Wireless NIC (Network Interface Card):**

* **Device adapter for wireless connection**.
* Enables device to WLAN communication.

**- Antenna:**

* Transmits/receives **radio waves**.
* Impacts range/coverage.

**- Wireless Router:**

* **Combines WAP & router functions.**
* Handles wireless access & internet routing.

**- Range Extender/Repeater:**

* **Extends WLAN coverage.**
* Re-transmits WAP signal.

**- WLC (Wireless LAN Controller):**

* Centralized WAP management (enterprise).
* Simplifies large WLAN control.