Bluetooth connection process:

Inquiry when we is a significant

- Tf two bluetooth device know absolutely nothing about each other.
- -> inquiry toy to-discover the other.

paging

- -) Forming of connection lile two bluetooth device.
- -> lonnected l Different modes).

Bluetooth connected mode

Active mode

- -> Regular connected mode
- -> Sniff mode -
- -> pouver saving mude

Hold made

- temporary power saving mode

Difference between (Bluetooth & BLE);		
Feature	Bluetooth classic	Bluetooth low energy 1
Number of channel Spreading -	19 channels each of width 1MHz	40 charnols each of some width 2 MHz
Data link larger	Frequency Hopping spread spectrum (FHSS) TOMA	Frequency Hopping &
Protocol·	& bit-ckc	24 lit CRC, ACKS
Maximum no. of device active Maros	7	unlimited

Zighoe dovice types

Zigbee loordinator (ZC)

zigbee Routon (ZR)

zigbre End device (ZED)

zigbre voordinator

- -> lapable device
- ; is stories information about the network
 - _) Trust contro & repositiony for security Koys.

Zighoe routon

- -> Rynning an application function
- I act an immodiate vouten
 - -> pawing data on from other devices.

Zigboe end device

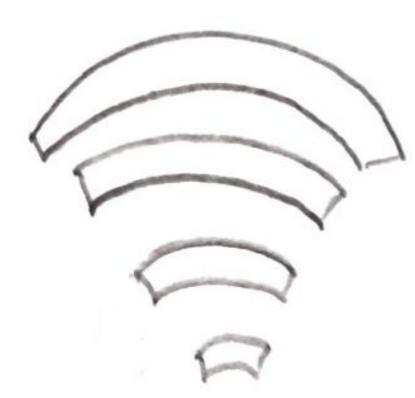
-> lannot relay data from other device

J. W.

- -) long battery life
 - -> least amount of momory

-) To manufacture than a zporze.

WIFI Communication



-) Utilizes the IEEE 802.11 Atd -> Range 66 feet from Ap

-> 2.461Hz WiFI upto 450 Mbps

-) 5 GHz WIFI upto 1300 Mbps

WIFI Communication

	WIFI 1EFE 802.11
Applitation	Wireless LAN
Frequency	2.4 G1Hz
Battary life	D.1-5
Bardwidth	2-100Mbps