## Inquiry

Tof two bluetooth device know absolutely nothing about each other.

whom pair to East of

-> inquiry toy to discover the other.

paging

- -> Farming of connection letw two blue books
- -> lunrected ( Different modes)

Soluetook connected mode

Active mode

- -> Regular connected mode
- -> Sniff mode -
  - -> prices saving mide

Hold mode

-> temporary power saving mode

## Ziglice termination

- -> zighte us a IEEE 802.154 based specificati
- High-level communication protocols
- -> Used to treate. PAN
- -> tonumes los paces
- tonk effective windows technology
- wireless adher network.

|                 | Zigboo IEEE 802.15.4      |
|-----------------|---------------------------|
| Application     | control and monitor.      |
| Frequency burds | 2-4,61Hz, 868 MHz, 915MHz |
|                 | 20-250 kbps               |
| Range           | 1-75 and more.            |

application got so

of costs and with relative trend -

- true manage of manage

| Feature                            | Bluetooth classic         | Ostuetooth low energy _           | op to        |
|------------------------------------|---------------------------|-----------------------------------|--------------|
| Number of channel                  | 19 channels bath of width | width 2 mitz                      | of grades of |
| Spreading                          | Spectrum (FHSS)           | Frequency Hopping Apread Aprechum | Meep modes   |
| Data link layer<br>Prototol        | TEMA                      | TOMA 24 lift CRC, Acks            | 2            |
| Error detection                    | & bit CRC                 |                                   |              |
| Maximum no of clarico activo Marco | 7                         | unlimited                         |              |

| Zighoe device types                        |
|--|
| Zigbee Loordinator (ZC)                    |
| zighee Routon (ZR)                         |
| Ziglore End device (ZED)                   |
| zigha (ourdinalty                          |
| -> lapable device                          |
| Stores information about the network       |
| -> Trust centre a repositiony for security |
| koys.                                      |
| zighace voutan                             |
| -> Running an application function         |
| act an immediate vouten                    |
| -> pawing data on from other devices.      |
| Zighte end device                          |
| -> larmot relay data from other device     |
| -> long battery life                       |
| -) least amount of morrow                  |

## -> To manufacture than a zporze

WIFI Communication



10 based communication

- -) Utilizes the IEEE 802.11 Atd
- -> Range 66 feet from Ap
- -> 2.461Hz WiFI upto 450 Mbps
- -1 5 GHz WIFI upto 1300 Mbps

WIFI Communication

|             | WIFI IEEE 802.11 |
|-------------|------------------|
| application | Wiroless LAN     |
| Frequency   | 2.4 GiH2         |
| Battay life | D-1-5            |
| Bardwidth   | 2-100Mbps        |