

What is WIFI ?

What is the Technology ?



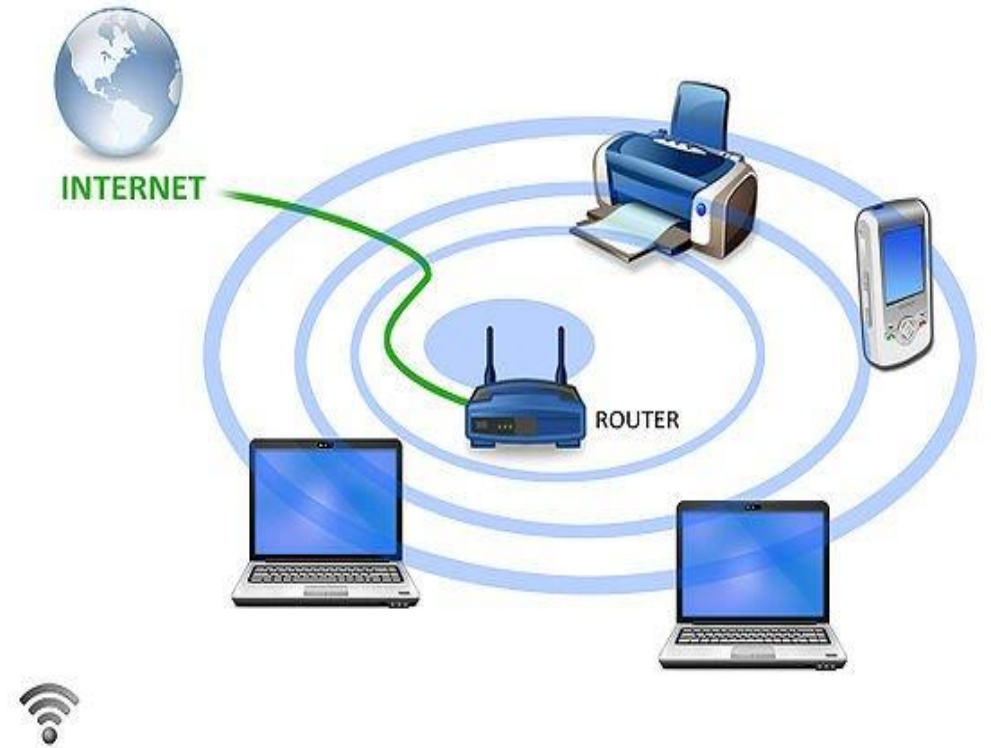
WHAT IS WIFI?

A wireless or Wi-Fi network uses a radio frequency signal instead of wires to connect your devices – such as computers, printers and smartphones – to the internet and each other. The Wi-Fi signal can be picked up by any wireless-capable device such as a laptop or tablet within a certain distance in all directions.



HOW WIFI WORKS?

Like mobile phones, a WIFI network make use of radio waves to transmit information across a network. The computer should include a wireless adapter that will translate data sent into a radio signal the same signal will be transmitted, via an antenna, to a decoder knows as router. once decoded, the data will be sent to the internet through a wired ethernet connection.



WHAT IS WI-FI TECHNOLOGY?

Wi-Fi stands for wireless fidelity and is the same thing as saying WLAN which stands for "WIRELESS LOCAL AREA NETWORK" WIFI works off the same principle as other wireless devices - it uses radio frequencies to send signals between devices.



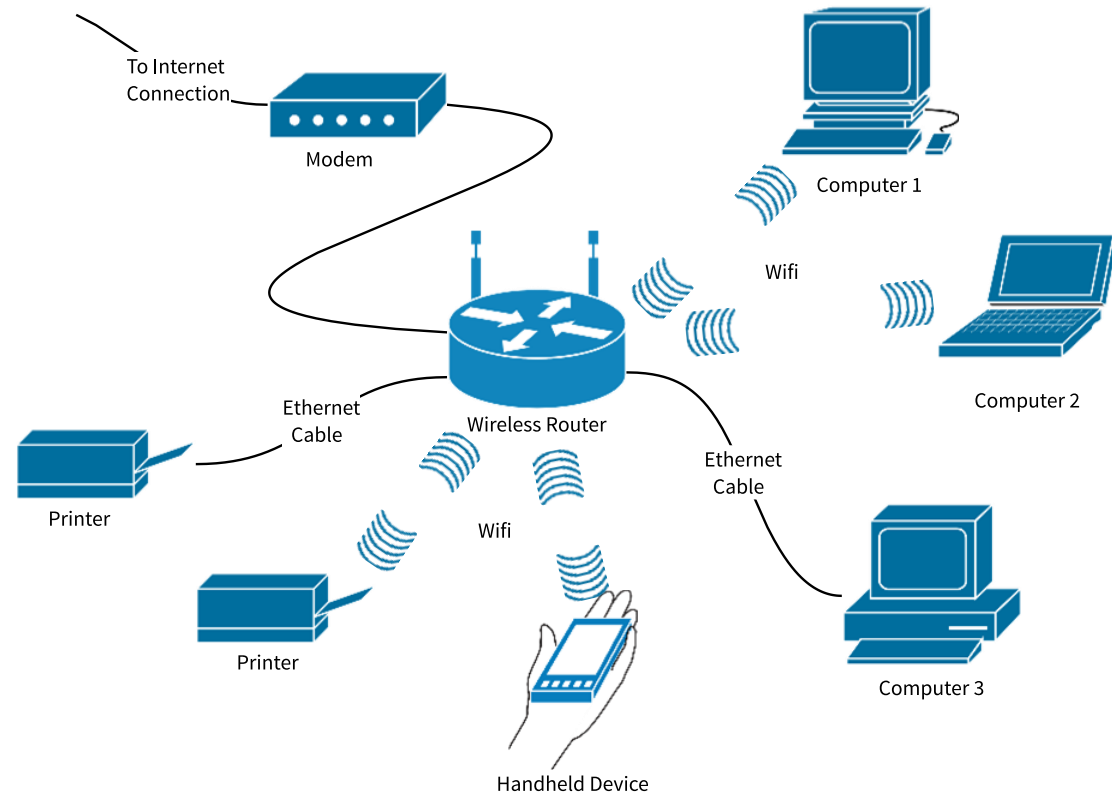
WHAT IS THE RANGE OF WI-FI ?

Wi-Fi networks have a range that's limited by the frequency, transmission power, antenna type, the location they are used in, and the environment. A typical wireless router in an indoor point – to – multipoint arrangement using 802.11n and a stock antenna might have a range of 50 meters(160) or less.



EXAMPLES OF DEVICES THAT USE WIFI

- 1) computers.
- 2) digital photo frames.
- 3) streaming devices.
- 4) eBook readers.
- 5) DVR and set-top box.



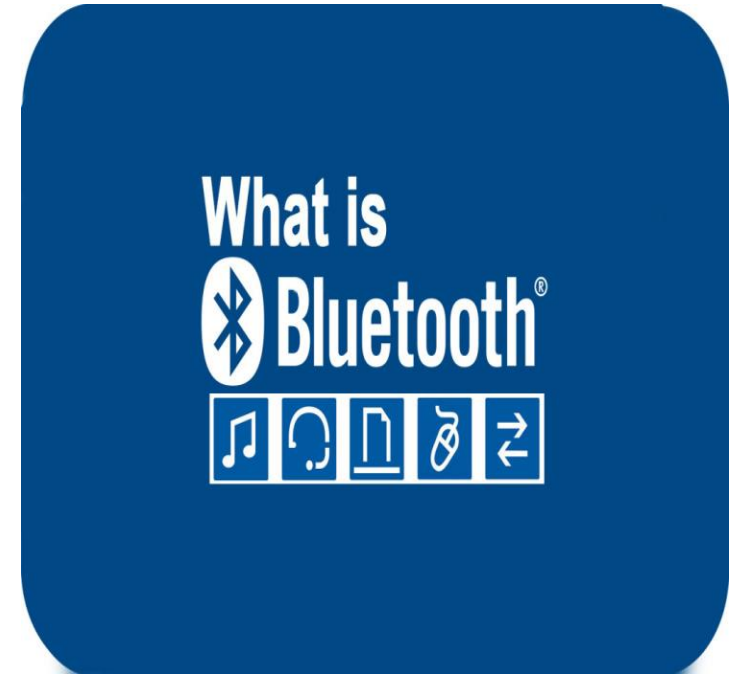


**What is
Bluetooth ?**

What is the Technology ?

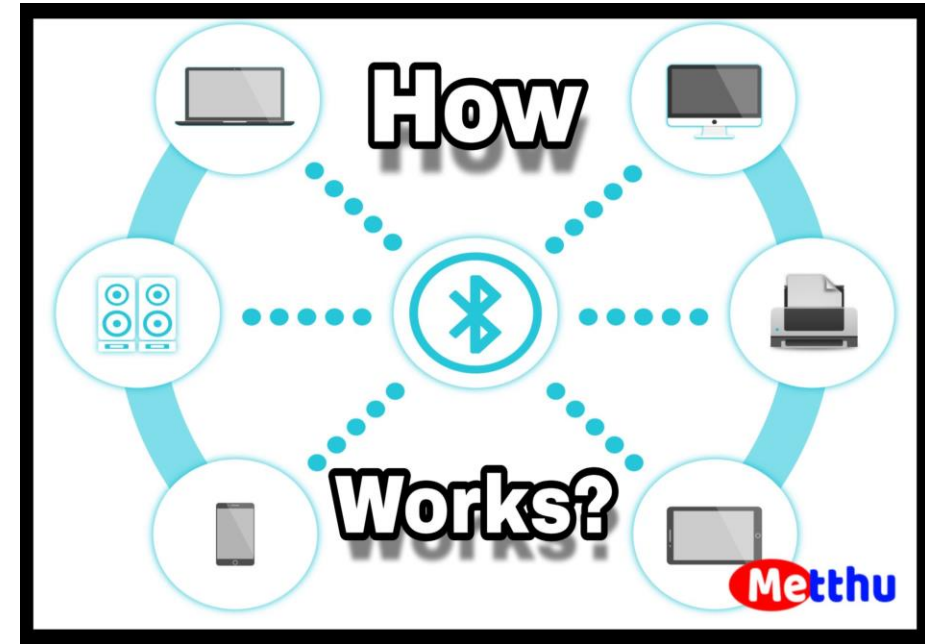
WHAT IS BLUETOOTH?

Bluetooth is a wireless Technology is a de facto standard, as well as a specification for small form factor, low cost, short range radio links between mobile PC'S, mobile phones, and other portable devices.



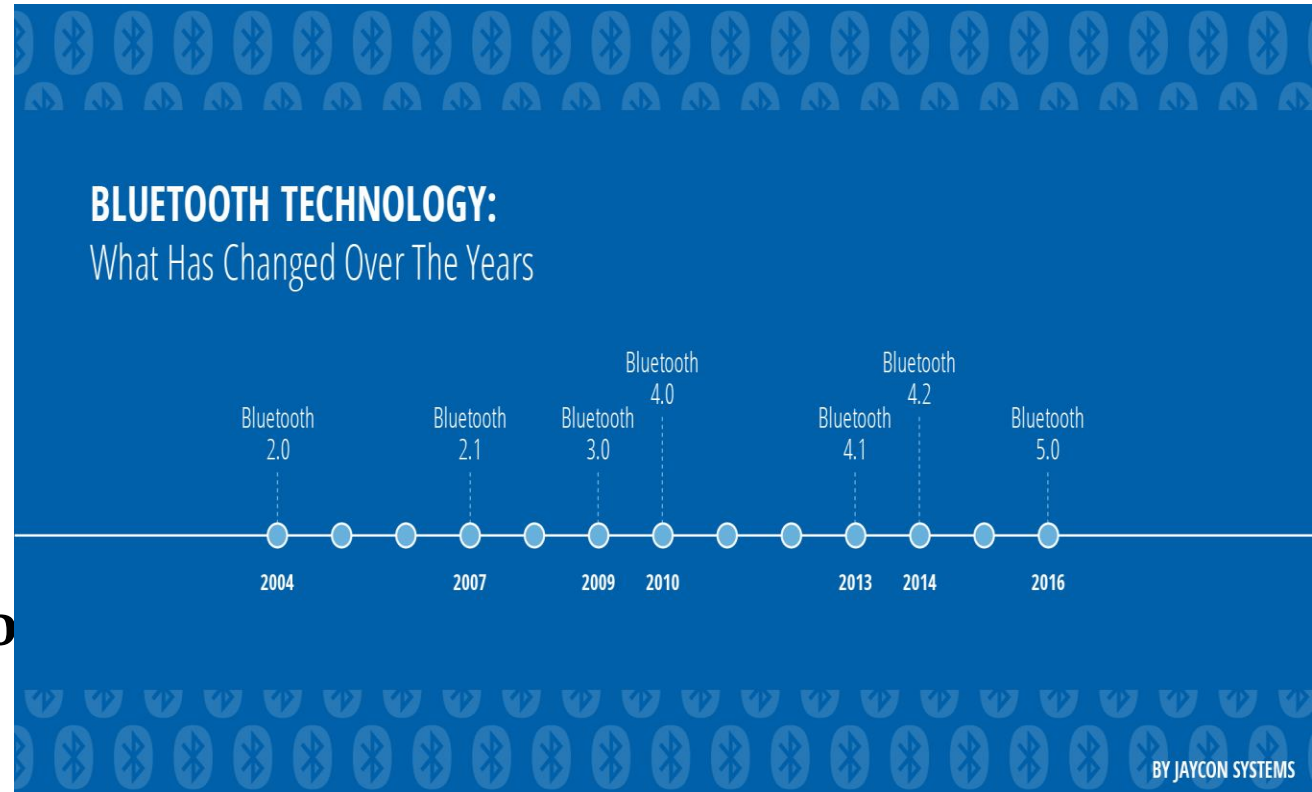
HOW BLUETOOTH WORKS ?

A Bluetooth device works by using radio waves instead of wires or cables to connect with your cell phone, smartphone or computer,.... So when Bluetooth-enabled products, such as a cell phone and headphones, are in close proximity to each other, they connect, or pair.



WHAT IS BLUETOOTH TECHNOLOGY?

Bluetooth Technology is a short - range wireless communications Technology to replace the cables connecting electronic devices, allowing a person to have a phone conversation via a headset, use a wireless mouse and synchronize information from a mobile phone to PC, using the same core system.



WHAT IS THE RANGE OF BLUETOOTH?

The effective range of Bluetooth is 10 meters. You are advised to perform all Bluetooth operations while keeping your phone within a 10-meter radius from other Bluetooth devices. This distance may vary according to the environment in which you use these devices.



WHAT ARE THE EXAMPLES OF BLUETOOTH?

- 1) phones.
- 2) cameras.
- 3) television.
- 4) speakers.
- 5) headphones.



DIFFERENCE BETWEEN WIFI AND BLUETOOTH ?

| WIFI | BLUETOOTH |
|---|--|
| 1) bluetooth has no full form. | 1) wifi stands for wireless fidelity. |
| 2) it requires bluetooth adapter on all Devices to connectivity. | 2) it requires wireless adapter on all Devices and wireless router for Connectivity. |
| 3) bluetooth consume low power. | 3) wifi consume high power. |
| 4) the security of bluetooth is less in Comparison of wifi. | 4) wifi provides better security than Bluetooth. |
| 5) bluetooth is less flexible means in this, Limited users are supported. | 5) wifi supports larger amount of users. |