

## **BLUETOOTH TECHNOLOGY**

Our Research topic is about Bluetooth technology. Bluetooth is an open wireless protocol for exchanging data over short distances from fixed and mobile devices, creating personal area networks (PANs). Bluetooth provides a way to connect and exchange information between devices such as mobile phones, telephones, laptops, personal computers, printers, Global Positioning System (GPS) receivers, digital cameras, and video game consoles through a secure, globally unlicensed Industrial, Scientific and Medical (ISM) short-range radio frequency bandwidth. It is a networking technology that does not rely on user control or large amounts of power. Bluetooth technology relies on two things, a radio frequency technology and the protocol software enabling it to transmit data to other devices. These protocols ensure that Bluetooth devices experience the least amount of interference from other Bluetooth capable objects while communicating with each other.

Currently we are using bluetooth mobile phones and headsets but we do not know how exactly they work. So we are interested in knowing the functionality and protocols involved in Bluetooth technology which are hidden from the end user.

We intend to write a paper and submit it. It actually gives scope for a lot of information which goes uncovered while delivering a presentation. Also in paper we will be able to explain clearly what is required whereas in presentation everything gets concise and we will be able to present only a brief description.