**What is Telecommunication?**

The Transmission of information that allows for communication between people who are separated by distance. Telecommunication occurs through various channels and technologies like telephone networks, cellular networks, and the internet.

**Example of Telecom**

* Telephone System
* Mobile cellular System
* Satellite Communication System
* TV and radio broadcasting systems

**The fundamental elements of telecom include**

1. Transmitter: The device that sends the signal. This can be anything from a telephone to satellite.
2. Medium: it is also called a physical channel that carries the signal.
3. Receiver: receiver takes the signal from the channel and converts it back into usable information.

**Evolution of Telecom**

Early Developments (19th century)

* Telegraph
* Telephone

20th century Innovations

* Analog Telephony
* Radio and Television Broadcasting
* Satellite communication

Digital Revolution (1980s – 1990s)

* Digital Telephony
* Internet Development
* Mobile Telephony

Broadband and Wireless Era (2000s – present)

* Broadband Internet
* Wireless Technologies
* Smartphone