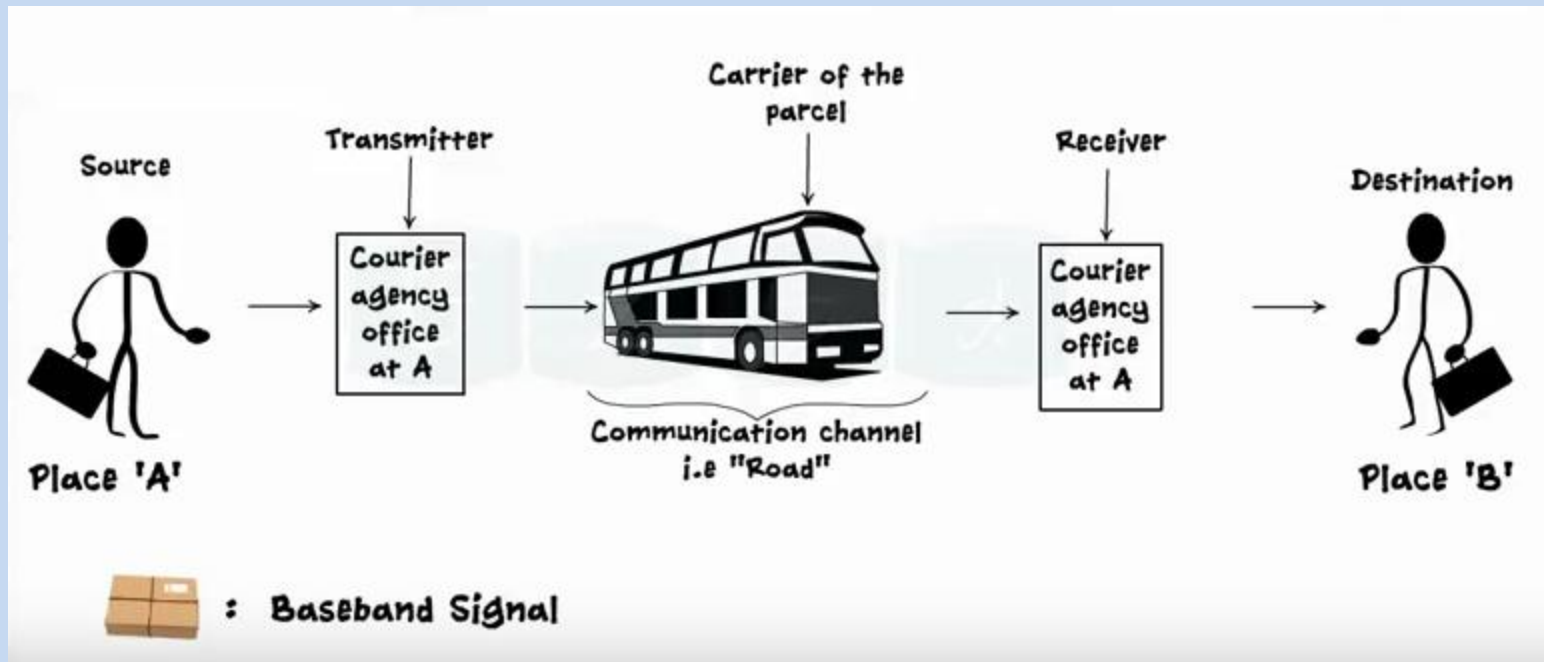


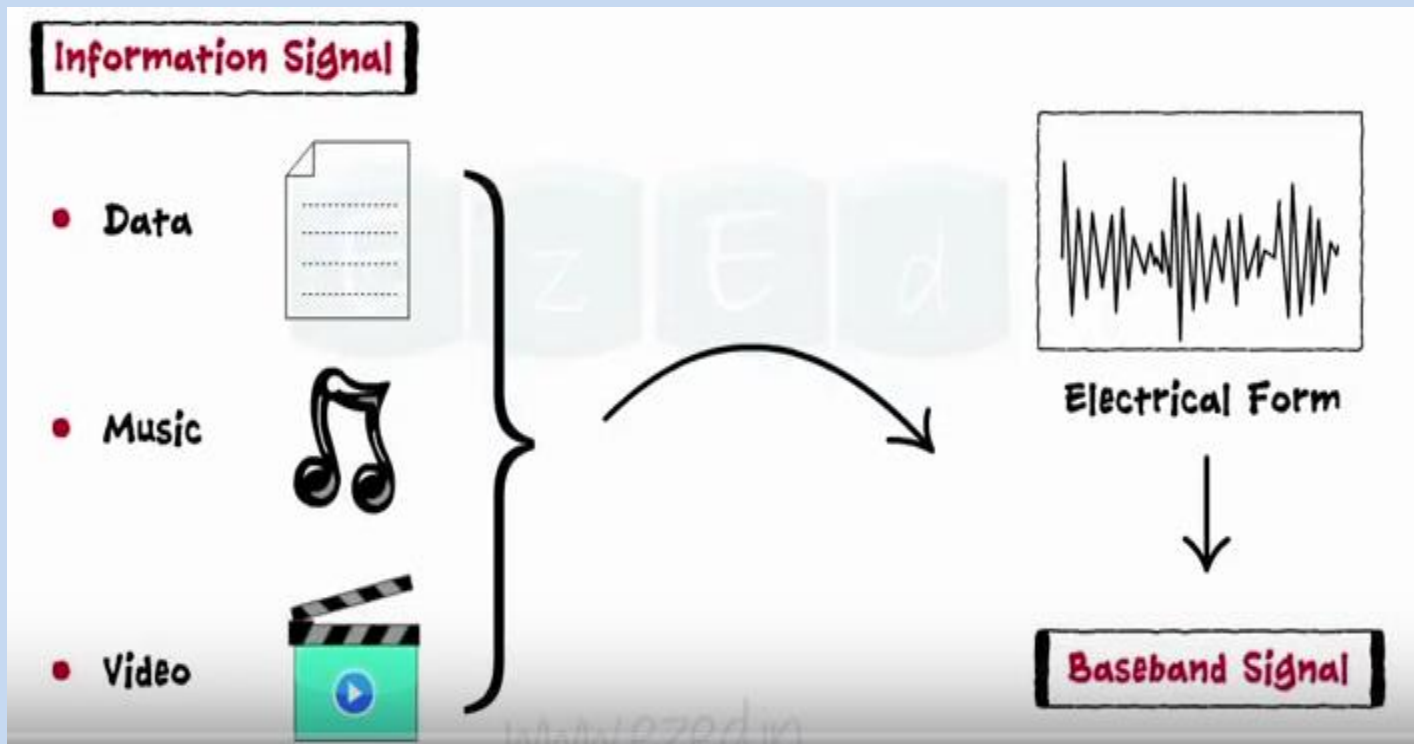
# Wireless Networks



Lecture 2\_ext:  
How the Wireless Works

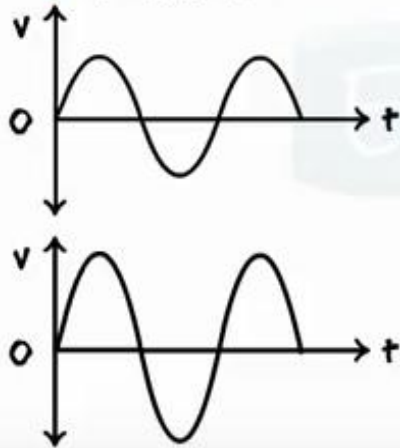
# Modulation techniques



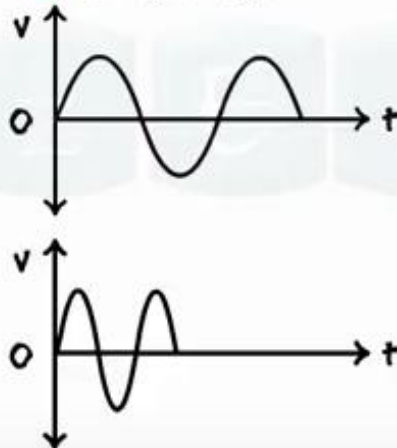


### Basic Characteristics :

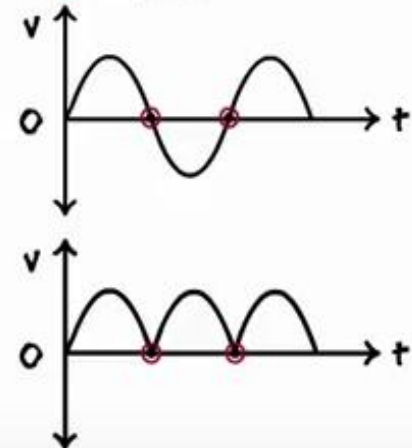
#### • Amplitude



#### • Frequency



#### • Phase

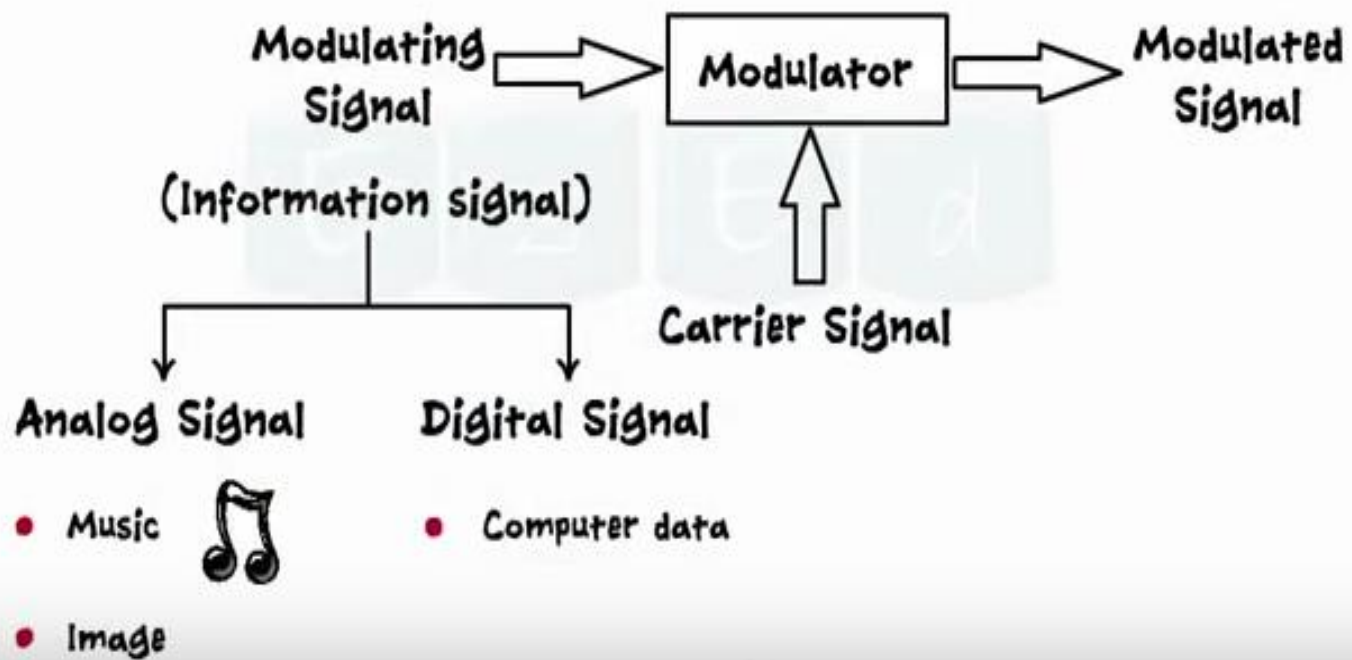


The process of varying any of the three characteristics as the Amplitude, Frequency or Phase of a carrier signal is called as Modulation

## **Need of Modulation**

- **Reduction in the height of an antenna**
- **Avoids the mixing of signals**
- **Makes multiplexing possible**
- **Increases the range of communication**

## Block Diagram of Modulation



## Types of Modulation

