

image courtesy: <https://www.britannica.com/technology/telecommunication>

## Why do we need communication systems?

Can you imagine a typical day without using the smart phone, the Internet, radio, TV, YouTube, or the navigation system in your car?

All the information we exchange is transported by some form of electrical or electromagnetic signal through one or more forms of communication systems such as Wireless, Satellite, Fiber Optical, Coaxial, etc.

Communication technology has become an integral part of our daily life. It brings us together and helps the world stay connected.

**Prerequisites:** Signals and Systems, MATLAB

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