NAME: KAKIRA IMRAN NURA

MATRIC NUMBER: 17/ENG02/040

DEPARTMENT: COMPUTER ENGINEERING

COURSE: ENG342

1-Radio communications: Filters enable radio receivers to only "see" the desired signal while rejecting all other signals (assuming that the other signals have different frequency content).

2-DC power supplies: Filters are used to eliminate undesired high frequencies (i.e., noise) that are present on AC input lines. Additionally, filters are used on a power supply's output to reduce ripple.

3-Audio electronics: A crossover network is a network of filters used to channel low-frequency audio to woofers, mid-range frequencies to midrange speakers, and high-frequency sounds to tweeters.

4-Analog-to-digital conversion: Filters are placed in front of an ADC input to minimize aliasing.









