



QEEE COURSES

FREQUENCY DOMAIN REPRESENTATION OF CONTINUOUS TIME SIGNALS – SIGNAL AND SYSTEMS

COURSE CONTENT:

- Brief review of LTI systems and Convolution
- Eigen functions of LTI systems
- Motivation for Frequency domain representation
- Fourier Series
- Properties of Fourier Series
- Linearity
- Convolution
- Multiplication
- Duality
- Parseval's Theorem
- Fourier transforms and Properties
- Application of Fourier Transforms
- Amplitude Modulation in Communication Systems