DEPARTMENT OF BIOMEDICAL ENGINEERING

BIOMEDICAL SIGNAL AND IMAGE PROCESSING LAB

List of Experiments

1. Representation of basic discrete time signals.
2. Computation of convolution –linear convolution.
3. Response of a difference equation to initial conditions; stability.
4. DFT and FFT computation.
5. FIR filter design using windowing techniques
6. IIR filters design-digital Butterworth filter and Chebyshev filter.
7. Simulation of Bio-signals.
8. Analysis of ECG, EEG & EMG signals.

TEXT BOOKS:

Department Lab Manual

HOD-BME- ECE