S/N	Name of the Experiment
01	Introduction to MATLAB and its basic commands
02	To develop programs for generating elementary signal functions like unit sample, unit step, exponential, ramp sequences, sinusoidal, random and periodic signal.
03	Generation of basic signals and illustration of sampling process using Matlab
04	Introduction to different operations on sequences
05	Understanding of aliasing effect of discrete time signals in MATLAB.
06	To develop the program for finding the convolution between two sequences
07	To develop the program for finding the Correlation of two sequences.
08	To develop the program for finding the DFT.
09	To develop the program for finding the magnitude and phase response of system described by system function H(s).
10	To find the frequency response of analog LP/HP filter.
11	To develop the program for designing Low pass Type 1 Chebyshev filter having passband defined from 0-40 Hz and stopband in the range of 150-500Hz having less than 3 dB of ripple in the passband and atleast 60dB of attenuation in the stopband.
12	Design FIR filter using windowing technique.
13	Design IIR filter
14	Power density spectrum of a sequence.
15	he objective of this program is To Perform upsampling on the Given Input Sequence.
16	The objective of this program is To Perform Decimation on the Given Input Sequence.
17	Analysis of Z transform and Inverse Z Transform.
18	Application on speech signal processing (students will prepare project based on this experiment) (b) Show the effect of sampling, e.g. over, under, aliasing effect (c) Show the effect of filtering- low pass, windowing (d) Reconstruction of signal (e) Add white and color noise to speech at particular SNR- show waveform, spectrogram, etc (f) Show the FFT with changing different parameters. (g) Show the effect of filters on noisy speech- adaptive (h) Calculation of SNR
19	Experiment with MDA DSP kit..