**EXPERIMENT 5 SIGNAL OPERATIONS**

**DATE:**

(i) Write a Scilab/MATLAB function singular\_fun() which takes input arguments as waveform type (unit impulse, unit step, unit ramp), start and end of sample indices, delay(+ve integer) or advance (-ve integer). The function returns the required waveform with sample indices. Write a test bench program to use this function, plot the required waveform, give proper title indicating waveform type, delayed or advanced by number of samples.

(ii) Write a Scilab/MATLAB function signal\_op() which takes variable number of input arguments: signal samples, type of operation (delay, advance, fold, scale), arguments needed for particular signal operation. Write a test bench program to use this function, plot the input and output waveforms and give proper titles.