**Topic**: DIT-FFT

1. Calculate the DFT of the given signal of sampling frequency   500Hz (by TA) using DIT-FFT algorithm (Use the code written in lab 5).
2. Find out the frequency range of the given signal and write your observations.

\***Note:** 1. Generalize your program as much as possible, which will be helpful for further labs

2. Zip all your files (includes soft copy and ‘.m’ files) and submit to respective lab TA.