**DIGITAL SIGNAL PROCESSING PRACTICE (ELE222P)**

**LIST OF EXPERIMENTS**

1. Introduction to MATLAB (basic commands and exercise on matrices)

2. Introduction to MATLAB (working on functions, plotting, flow controls)

3. Basic signal generation and operations (continuous and discrete)

4. Sampling and aliasing

5. Convolution

6. Correlation and down sampling

7. Discrete Fourier Transform (DFT)

8. Frequency response of systems

9. Fast Fourier Transform (FFT)

10. Z-transform and its properties

11. Inverse Z-transform

12. Applications of DSP in image processing – Zooming

13. Applications of DSP in speech processing