

### **Project No. 1**

This project deals with histograms and eventually with probability density function/probability mass function.

For preparation, read "Getting started with MATLAB" available at [cnl.gmu.edu](http://cnl.gmu.edu).

- A.** Use MATLAB functions to generate 1000 samples of a uniform random number between 0 and 5 and obtain the mean and standard deviation. Also plot the histogram.
- B.** Do above for 10,000 samples.
- C.** Now do part A for 10 different seeds and average the means and standard deviations.