**Digital Communication**

**Lab Quiz 1**

**Question 1:**

Draw the pdf of the random signal with mean 1000 and standard deviation 100.

**Question 2:**

You are provided with the cdf of a random signal x. Find the mean, standard deviation and variance of the signal.

Where length of signal was 4000, min value of x was 14.2076 , max value of x was 1373.6 .

**Question 3:**

What does mean and variance of a signal represents about it?

(Mention theory part on paper with your name and submit it)