EEE 321, ETE 321 – Introduction to Communication Systems

Lab Assignment 01
Submission Deadline: 04 June 2020

- ➢ *Write your **name, id, and section** at the beginning of each code as comments.*
- ➢ *Write your **name, id, and section** as a part of title of all graphs.*
- ➢ *Write your **name, id, and section** on your SIMULINK model.*
- ➢ Submitted assignment should have **MATLAB** codes, graphs and **Simulink** models.
- ➢ Send your assignment to <shajnush.amir@northsouth.edu>   use Subject :
  EEE321L_3_Assignment01

1-   What do you understand by ADC? Mention some applications of ADC.

2-   What is ASK, FSK and PSK? What is the difference between ASK, FSK, PSK and AM, FM, PM?

3-   Suppose a digital bit stream is **A** = [0 1 1 0 1 0 0 1 1 0]. Now write down a MATLAB code which will- (Hint: This problem can be solved if you go through the manual)
  i.   Convert this into a digital message signal
  ii.   Do the ASK modulation
  iii.   Do the FSK modulation
  iv.   Do the PSK modulation