

**Artificial Intelligence (CS 534)**  
**Assignment 5 (80 points)**  
**Due: November 25<sup>th</sup>, 6 pm**

**Please put everything except your Python code in a same word/pdf file. DO NOT SUBMIT ZIP FILE.**

- a. Your Python code named Prob1.py **(40 points)**
- b. Report your f-measure for email body and email subject **(16 points)**. Explicitly show which dataset provides better classification **(4 points)**.
- c. Repeat with scikit-learn package (No code is needed in submission). Report your f-measure for email body and email subject **(16 points)**. Explicitly show which dataset provides better classification **(4 points)**.