

**NLP Assignment 2**  
**Deadline: 23rd August 23:59 hr, 10 marks**

**Please don't copy from net or other students. Plag will be checked.**

**Allowed Programming language : Python**

Your task in this assignment is to write a python program that accepts as input a plain text newspaper article file and returns the following.

- |   |       |
|---|-------|
| 1) Number of paragraphs, sentences, and words contained in the article. | [ 3 ] |
| 2) Given a word as input, number of sentences starting with the word.   | [ 2 ] |
| 3) Given a word as input, number of sentences ending with the word.     | [ 2 ] |
| 4) Given a word as input, count of that word in the input file.         | [ 2 ] |
| 5) Report file.   | [ 1 ] |

Use the given file as a development example. Don't try to fit your code too closely to this single example. Output will be verified with other files during evaluation.

**Submission format:** Upload your project folder containing the code file named

**Assignment2\_counts\_MT170XX.py**

Submit a pdf report file with your implementation details and clearly mention your assumption if any.