

**Introduction to Natural Language Processing (Assignment # 1)**

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| **Submission:** 05-11-2023 | Marks: 10 | **Semester:** Spring 2023 |
| **Course Code: SECP2043** | **Course Instructors:** Dr. Ali Saeed | |

**Assignment must be submitted using CMS portal**

**Question #1. Describe 10 applications of NLP, other than available in slides [Marks 3] [CLO 1]**

**Question # 2. Read following text file in Google Colab and apply the following operations (use functional approach): [Marks 7] [CLO 2]**

* Develop Frequency distribution of all word.
* Remove punctuation marks from the entire text
* Text Summarization (try to skip some less meaningful sentences)
* Identify the longest and shortest sentences in the given file

**Text File:**

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| **Lorem Ipsum** is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum. |