**Exploratory Project Plan**

**Title of Project -** Surface Realization Shared Task (Shallow Track) proposed in ACL(Association of Computational Linguistics), Melbourne, 2018.

**Objectives**

Determining the word order and inflecting words from given UD structures from which word order information has been removed and the tokens have been lemmatized.

**Team Members**

1. Avi Chawla Roll No. 16075014
2. Ayush Sharma Roll No. 16075016
3. Shreyansh Singh Roll No. 16075052

**Achievables**

Although the field of Natural Language comprehension has been well worked upon, the field of Natural Language Generation still has a lot of work to be done. We wish to achieve our objective in two steps -

* Generate correct inflecting forms of the lemmatised words.
* Try to generate correct word order from the Unordered Dependency trees.

**Monthly Work-Plan**

* **January 2018:** Since this task is relatively new to work upon, the first of the month was spent in planningn the course of action for the project and coming up with methods/approaches to solve the problem. The second half of the month involved discussing the possible approaches with Prof. A.K Singh Sir and starting the work of generating correct inflecting forms of lemmatised words(reinflection).
* **February 2018 and Future Work:** To try to complete the task of reinflection and get started with the major task of generating correct word order of the sentences. The latter will involve the implementation of two models/approaches – Autoencoders and (Neural) Machine Translation.

Signature of students with name:

Avi Chawla Ayush Sharma Shreyansh Singh

Signature of Supervisor with Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_