Experiment No.6							
Perform POS	tagging	on	the	given	English	and	Indian
Language Text							
Date of Perform	mance:						
Date of Submi	ssion:						

Vidyavardhini's College of Engineering and Technology

Department of Artificial Intelligence & Data Science

Aim: Perform POS tagging on the given English and Indian Language Text

Objective: To study POS Tagging and tag the part of speech for given input in english and

an Indian Language.

Theory:

The primary target of Part-of-Speech (POS) tagging is to identify the grammatical group of a

given word. Whether it is a NOUN, PRONOUN, ADJECTIVE, VERB, ADVERBS, etc.

based on the context. POS Tagging looks for relationships within the sentence and assigns a

corresponding tag to the word.

POS Tagging (Parts of Speech Tagging) is a process to mark up the words in text format for

a particular part of a speech based on its definition and context. It is responsible for text

reading in a language and assigning some specific token (Parts of Speech) to each word. It is

also called grammatical tagging.

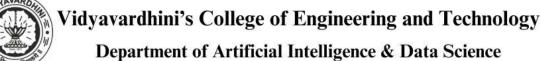
Steps Involved in the POS tagging example:

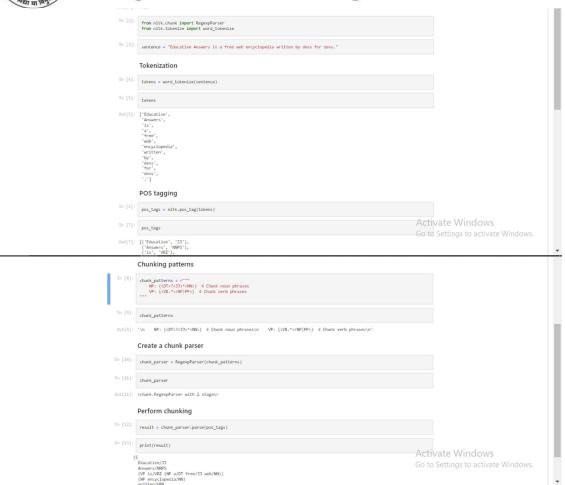
• Tokenize text (word tokenize)

• apply pos tag to above step that is nltk.pos tag(tokenize text)

Output:

CSDL7013: Natural Language Processing Lab





Conclusion:

POS tagging is the process of assigning a part-of-speech tag to each word in a sentence. Part-of-speech tags are labels that indicate the grammatical function of a word in a sentence, such as noun, verb, adjective, adverb, etc. The result of POS tagging is a sequence of part-of-speech tags, one for each word in the sentence. For example, the POS tagging for the sentence "The cat sat on the mat" would be: DET NN VBD IN DET NN There are two main types of POS tagging techniques: rule-based and statistical.