Artificial Intelligence & Robotics Assignment B3 Date of Completion: - 16.10.2020 Title: - Syntax Analysis Peroblem Statement: - Impliment syntax analysis for the assertive English statements: The stages to be executed are, sentence segmentation thord tokenization
Part of speech morpho syntatic tagging
Syntatic parsing (use any of the
parser like Stanford). :- To understand sentence segmentation, tokenization Objectives To implement syntax analysis on the :- Shedents will be able to implement different tent analysis and parser techniques. Outcome Theory: -Sentence segmentation:
Bueaking retenus apart into reparate sentences.

1. Breaking the sentences into work words ie tokens is to ken i jation. 2. These words are then captured for further analysis. 3. Sentences are separated on space.
4. Punctuation marks are treated as sparate tokens since punctuations also have meaning. Identifying Stop Words.

Many words in English like a the it are filler word and have no particular meaning or add no semantic to sentences. 2. These words are called stop words. 3. Identifying and genoving them is important for optimizing spreed and quality of model.

4. They are feltered out by comparing with list of words which can vary from application to application. application. Tent Part of speech teagging.

In corpus linguistics, a part of speech teagging (Pos Pos tagging or Post) also called grammatical tagging or word category disambiguration, is the process of marking up a word in a text (corpus) as corresponding to a particular part of speech based on both its definition and its consert its relation with adjacent and related words in a phrase, sentence or paragraph. Syntactic Parsering: -

	forsing, syntax angle analysis is the process of
	analysis a string of symbols either in mobile
	Language, computer language or data the Luci
	conforming rules of a formal charmen
	Parsing, syntax. angl. analysis is the process of analysis a string of symbols either in natural language, computer language or data structures, conforming rules of a formal grammer.
	Standard Dancey:
	A strikishied our co
	Standard parser: A statistical parser. A natural danquage parser is a grogram the works out the grammatical structure of sentences, for instance which group of words go together (as "phrases") and which words are the subject of or object of a verb. Probabilistic parsers use knowledge of language.
	aut the augustical parser of a grangem The works
	Which sentences, for instance
	group of words go together (as "phrases") and which
	District of a verb.
	probabilistic parsers use knowledge of language.
	110
-	Algorithm
-	Test Case: -
70	
	A liph was once sleeping in the jurgle when a mouse started running up and down if this body
	mouse started running up and down if this body
	just for fun".
	3 0 0
	3
£	HOFF A-DT mouse-NN
	tion - NN Started - VBD
	was-VBD sunning-UBG
	once -RB up - RB
	sluping -1By and -ec in - IN down - TN
	the - DT his - PRP
	jungle-NN body-NN
	when - WRB just - RB
	a -DT for -IN fun-NN

L	
-	NN-Noun Singular
	DT - determiner
	VBD
	VBD RB - adverb
	VBG -
	IN - preposition *WRB-
+	EWRB-
+	CC - coordinating conjunction
-	PRN - Personal remoun.
	Conclusion: Thus I understood and implemented tent
_	analyzer.
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