	Page + 3
3]	Lemmatization:
	Groups together different inflected forms of
	award called Lemmatization. This is similar
	to stemming but here the output is always
	Correct.
	Example: Die Died Dead
10	Die
4.	Postage 2
	This Stands for Part of Speech Tags. It indicates how a word function in meaning as well as grammati-
	how a word to nester the read
tis	-cally within a sentence.
Y	on willed a hat and ate it
	Manan killed a bat and ate it
	1 1 1 1 1 1
	Noun verb det Noun conj verb pronoun
	unct- ion
20	74
	Risadvantages: One word can have multiple part of speech, we use Name entity recognition for this problem.
	part of speech, we use Name entiry
	recognition for this problem.
	TELOGIA OLE I
5-	Name Entidy Recognidions
	It is a subject of outting Name employ on the
	10 1 10 cationets
*	words & person, organization, company, locationets.
	eg googleit
	company
San Problem	- company

Page: 4 Date : 6] Chunkings picking individual pieces of information and grouping them into bigger pieces. Amurag ate the black cut Noun venb Det Noun Noun Noon Pros ase Noun Verb pnrase phrase Chunk A Chunk helps in getting insightful and meaningful info from the text.

	Page: 5 Date:
03	Stages I Levels of Natural Lunguage Processing
=>	Morphology: Concerns the way words are built up from smaller meaning bearing units example: "truth+ful+ness"
16	Syntax: concurrs how words are put together to form correct Sentences and what Structural role each word has. Example: "The dog ate my homework. Not Syntactically correct.
15	Semantics: Concerns what words mean and how these meanings combine in Sentences to form sentence meanings. Eg: Industrial plant / living organism Dosent make a proper meaning.
25	Praymatics: concerns how sentences are used in different situations and how it affects the interpretation of the sentence.
	Sentence might be correct but it might have semantic ambiguity - which means that sentence has two meanings. eg: Dipesh loves his girlfriend and Manan does too
30	

5 Discourse: Concurrs how the immediately preceding sentences affect the interpretation of the next Sentence.

Applications of Natural Language Processing 1. Question Answering by computer Question Answering (QA) system is a task of Automatically answering to the questions asked in the natural language using eigher a pre-structured database or a collection Of natural language documents 9E presents only the requested information instead of searching full documents like Search engine The basic golea behind this is user just have to ask the question and the system will retrieve the most pr appropriate and correct answer. is the father of the Nation [India) A. Mahatma (zandhi 2. Chat bots & Intelligent chatbots are offering personalised assistance to the customers already. Analysists predict that the use of chatbots will grow 5 times year on year. 3. Managing the Advertisement Funnel NLP is a great source for intelligent targeting and placement of advertisements in the right place at the right time and for the right audience.