	11	
20	-11	-1010
		Natural Language Processing
		Fundamentals.
9		
3		Chapter-1=> Introduction to NLP.
<u> </u>		(7) his cold and
9	• \	Objectivos.  Describe what NLP is all about
7	1:1	Describe the history of NLP
•	11	Differentiate b/w NLP L text analytics
7	بلل. اما أ	Implement various preprocessing tasks
-	10	Possibe the various phases of NLP project.
-		Text analytics:
)		The act of extracting useful insight
		from any given text data
of the last of		

ST. LE

	NLP
	NLU NLG.
The state of the s	Natural language Natural language
	understanding Creneration
コ	Various Dteps in NLP:
•	Tokenization
	Splitting a sentence into constituent words / tokens.

•	Unigians: one token represent
	one word.
	"I am reading a book". =) "I" "am" "reading" "a" "book" ""
	"I" "am" "reading" "a" "book" "
-	2 tokens -> bigrams
	3 tokens - toligrams
	n tokens -> n grams.
	O Company of the comp
•	POS tagging
	(Pouts of speech tagging)
	Process of tagging words within
	Sentences into their respective parts
The street stree	of speech.
	· Abba lara-ada
	· Stop words removal
	Atolo 1,200 do do
	Stop words do not impact the meaning of rentences
C.	The state of the s

=)	Text Normalization
•	There are some words which are
	spert, pronounced and represented aifferently, but they mean the same
	thing.
	Text Normalization le a process wherein
	different variations of text get corrected into a standard form.
	es: Spelling correction, stemming,
	lemmatization etc.

	Stemming
	Reduce words to their stoms
	Products Stanning - Product
	Products 7
4	Lemmanization
	Reduce words to their base form
•	Slower than stemming but makes more
	sense.

\$	Name Entity Recognition (NER)
	like hance of person, place and so on
•	Word Jensen disambiguation
	Process of mapping a word to the carrier.
•	Dentence boundary detection
	Method of detecting where one sentence ends and other begins.
7	Structure of an NLP project:
	1. Data Collection -> 2. Data Preprocessing
	4. Feature 3. model  Extraction Correlopment
	s model — s 6. Model Anomant deployment