Page. No.	
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	Crupta Bhaskor Sheshnarayan Arati Asitificial Intelligence Scort No! - 12273147
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	13/01/2021
Q.3.	
	National
Ansc.	Notword language Processing (NLP) is a bronch of Artificial Intelligence that nelps computery understand interned and manipulate and record
	understand to the and and thort helps computery
	and output of our NLP system can be - Speech -
	-Speech-
	- Written lent.
	Also, The two components of NLP as given:
	on well templage Understanding
	ii) Natural language Generation.
	The NLP consists of generally five Steps!
	generally five Steps:
	Lenical Anorbysis
	Syntactic Analysis
	V .
	Semantic Analysis
	Disclosure Analysis
	[Malysos
	Prorgnatic Analysis
	Tokenization:
	Scenerization is exentially splitting or phrase,
	sentence, porragroph, on an entire tent decument into smaller units, such as individual words or
	into smaller units, such as individual words 10%

Page- Não. 02. Crupta Bloskar Shehnarayan Asati Artificial Intelligence Seat No! - 12273147 13/01/2021 terms. Each of those smaller units are coulled trakens. The trakens would be words, numbers con puncturation marks. Sure smaller units are coexted by tecesting word boundaries. These are the ending perint of a word and starting of next word. From enample, Consider the string "This is a cost". When we will porform trekenization, we get ('Shis', is', 'a', 'cetl']. There are numerous uses of daing this. We can i) count number of words in the tent ii) count frequency of the worl . Stemning 3-It is a technique used be entract the box from ref the weerds by vienning affines from them. It is just like centting down the branches of tree to its stems. From enample, the stem of the words eating, eats, eaten is eat. Search engines uses stemming for indening the words. Short why wrothen thom storing all forms of a word Search engline com Strone couly the stems.

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Enount le! - Playing -> Play Playing -> Play Played -> Play from play.
Lemmatization: Shis technique is like stemning. The output we get often lemmatization is called 'lemma'. which is a recet word vather that react stem, the output of stemning. After this we will be getting a valid word that means same thing.
NLTK provides . Word Net Lammatizer . class which is a thin wrapper around . the wordnet corpus. Class uses morphy() function the the word Net . Carpus . Reader class to find lemma.
For enample?- If we pare the words like eating, bacets the output will be 'cating', back' vrespectively.

Page No. 04. Crupta Bhaskar Sheshnarayan Asati Artificial Intelligence Stort No: - 12273147 Blastage 13/01/2021 Ans B isticrarchial Planning is also corlled as plan deconpresition. Generally plans are organized in hierarchial formand. ii) (amplen actions can be decompased into more primitive actions and it can be denated with the help of links between various states at different levels of the hierarchy. This is called as operation enpousion. For enemple: Move (x,y,2) Pickup (x,y) putdown (x,2) aperation enpansion. Enample for hierarchial plan? If a person wants to trowd from source tel destination. Also at the entry level that have to fallow some sequence of actions.

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	Gupta Bhaskar Sheshnarayan And Antificial Intelligence	rti
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	Bushow	
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	Fravel (Sœurce, destn.)	
	V	
	Take Flight Take-Train Take Bus	
	Croito (Trorin, Scewice) Byg Ticken (Train) Cotch (Train) the	ave aln
		st)
	GroTo (counter) Regrest Payticnet)	
	Hierwichial Planning.	,
A Thy	21 In Ar Corrgo Isonsport, the planning and the decision taken is no be precise. It needs all the posticular information about the destination. Als we need the select the criterion fere proceess.	œ.
<u></u>	Atrine Selection Criteria	
	Reviality Price Speed Reliability Flenibility Re	SK
	Hierarchial Structure in Afr Corrga	

Page. No. 06. Crypta Bhaskar Sheshnarayan Arati Artificial Intelligence Seart No!- 12273147 Bhaskows 13/01/2021 Reg. refused Requirement reg o Analysis Resource le Preparation warge and documents organize planning Corago handling |