	11-2020
0	NLP Civiculum
V	NLP Civiculum Part 1
J.	
<b>S</b>	=) Regular Expressions
	Letters inside square brackets.
	Th HJardik > Hardik, hardik.
	[1234567890] > Any algit.
•	Ranges [A-2]
7	[A-Z] -> Any upper case letter
	[a-z] -) Any lower case letter
•	[0-9] -) Any single digit,
)	

Negation

"means regution only when first in

[]

[^A-2] - Not an upper case (error

[^Sis] - Neither 'S' nor 's)

[^e^] - Neither 'e' non 'N

OR |

[Ii]nd(a | [Bb]harat

Before we can do any natural processing of a text, the text has to be normalized. Normalization processes: I Takenizing (segmenting) worlds Normalizing word formats 3, Degmenting sentences 2.4.1 Crude Tokenization and Normalization. In tod Naire approach for word to kenization and normalization · Every sequence of non-aphabetic characters are changed to benew

2.4.2	Word Tokenization
60	By removing all the non-
	characters use are lossing
_	a lot of information.
ъ	Instead of neglecting them, we
	would also want to torrenize
	& these special characters.
	'we're' should be converted to 2
	to Irano (we and are)

24.) Byte Pair Encoding for Tokenization.
on this we iteratively merge brequent pairs of characters.
2.4.4 Word Normalization, Lemmatization and Stemming.
· (case folding -) Converting all words to
· lemmatization -> Reduce inflections of varient borns to base form. · is, am, are -> be
· morphenes  The small meaningful units that  make up words.
Word - 2 Dtcm + affixes
· Stemming: Reduce terms to their
eg. Pover Dtemmer