

Vidyavardhini's College of Engineering and Technology Department of Artificial Intelligence & Data Science

AY: 2024-25

Class:	BE.	Semester:	VII
Course Code:		Course Name:	Natural language processing

Name of Student:	Mokshad	ketan	Sankhe	
Roll No.:	67			
Assignment No.:	4			
Title of Assignment:				
Date of Submission:				
Date of Correction:				

Evaluation

Performance Indicator	Max. Marks	Marks Obtained
Demonstrated knowledge	5	
Legibility	3	The state of the s
Completeness and timely submission	2	
Total	10	

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Performance Indicator	Exceed Expectations (EE)	Meet Expectations (ME)	Below Expectations (BE)
Demonstrated Knowledge	5	3-4	1-2
Legibility	3	2	1
Completeness and Timely submission	2	1	0

Checked by

Name of Faculty:

Signature

Date

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	NLP Assignment 4
Qı)	Perform word sense induction using hyperies for the word Fan".
7	A Hyperier is a lexical resource that measures how similar two words are, primarily focusing on capturing multiple meanings of words. In word sense induction
	(WSI) the goal is to automatically discover the various meaning a word can have based on context.
9	- For the word "Fan" there are multiple senses:-) FAN: object - A device used to generate airfou.
- 64 Je	2) FAN: person - An admirer or follower of something!
one many	- To perform the word sense induction using hyperlex!
Total day	ord "FAN" is used. The form fan was blowing and dir in room (perice). she is huge fan of singer.
	2) word sense induction: use the context to induce the possible senses of word "FAN". Hypertex helps
Or ida	to other word or phrases.
	3) Implementation: we can use hyperlex to assign similarity score between the context of "fan" in
taill uz l	the similarity the more likely it is that the word is used in particular sense.

	A LONGWEET AND
A) lead:
	. she will lead the team
40-1-60	. The pipes are made of legal 1
sava L	2) Tear: lander of the second of the second
2011	she had a tear in her eyes.
8 2	I will tear the paper. (120)
	3) Bass: 100 100 100 100 100 100 100 100 100 10
	· He played the base guiter
	· we caught a base fish
-	BELLES OF EL SEVEL DIVEL A - 135/10, MAJG
	- collocation constraints refers to words that often
-	go to together. In homophones of homographs the
30000	meaning & usage in sentence depends on surrounding
- 2004	to the time to the terms of the terms
	a) fan the flames" refers to intencifing a official
باهي فدينا	b) A fan of music would not make sense it substitute
3 3 1 6	with a delice that will lower air".
and set	The work of the server where the
92)	Give 5 example of Homophones and homographs
	each with respective explanation considering allocation
Mr.	constraints and sent as six indital and and
-	el la latina sul accordad ance Minetime
ad: I	Homophone: words that bound the some by
34500 051	different megnings of stone offen different spellings
) Bear / Bare: bare
	sie collone pain (Enclure).
	· A bear lives in frest (Animal).
	Control of the state of the sta
<u>Sundaram</u> ®	FOR EDUCATIONAL USE

	2) Flour Flower:
	· I bought flour for cake.
	. The garden was full of flower
	3) sea see:
	. The sea is clam today.
	· can you see the sto sky.
	the plant is a second of the s
	4) Hear Here: T can hear the mosic.
	· come here
	5) sale sail: The store is having a sale
	. The store is having a sale
	· me will sail tomos rous
	Homographs: words that are spelled the same but have different meaning.
	Homographs: words that are spent
1	have different meaning.
9	
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