Fr. C. Rodrigues Institute of Technology, Vashi Department of Computer Engineering

Amroz Siddiqui

Course Name: Natural Language Processing I	Academic Year: Second Half - 2022 Lab Branch/Semester: Computer Engineering / VII
Name:	Lab.: 05
Roll No.:	Lab 00
1. Title: Minimum Edit Distance	
2. Objective/Aim: To implement Minimum	Edit Distance Algorithm
3. Tools/Techniques/Technology Used: p	ython
4. Due Date: Friday September 09, 2022	
5. Lab Instructors:	
Amroz SiddiquiMs. Padmashree	
• There are seven text files given.	
\bullet bagofwords.txt and errordocument.txt	to be used for exercise 2.
• The files, newtonlaws.txt and answers1.	txt to answers4.txt are for exercise 3.
Solve the given exercise	
1. [03 Marks] Implement the minimum edit di pair of words:	istance algorithm in Python, and find out the distances between following
(apple,mango), (there,their), (laughter,daug	hter), (rain,reign), (right,write)
. ,	e given in the file bagofwords.txt , and in the errordocument.txt , each spelled. Find the correct word from the bag of words and replace it and ocument.txt
	s, ignoring typical stopwords, generate the bag of words. From the files the number of words misspelled and the degree of wrong spelling, and assign metric.)
	c learning objectives. The following self-assessment list should give you a the expected material. Please respond to the statements after doing the
1. I know how to implement minimum edit dis	tance algorithm in python:
2. I know how to build bag of words from give	n data set in Python:
3 I know how to replace misspelled words in a	given input document in Python: