



Department of Computer Science & Engineering
University College of Engineering, JNT University Kakinada

List of Experiments:

Experiment 1: Explore the Features of NLTK.

Experiment 2: Installation of Natural Language Processing Using SpaCy.

Experiment 3: How to Download language model and data using Spacy in python.

Experiment 4: How to Read a Text File using Spacy in python.

Experiment 5: Write a python program to implement to perform Natural Language Processing sentence detection and Correcting Spelling Errors / extraction of sentences in SpaCy.

Experiment 6: Write a python program to implement extract the total number of sentences and the sentences for a given input text.

Experiment 7: Write a python program to implement to perform Natural language processing tokenization to break text into meaningful tokens with the index in Spacy.

Experiment 8: Write a python program to implement Natural language processing customize our tokenization using a tokenizer function in Spacy.

Experiment 9: Write a python program to implement Natural language processing stopwords in SpaCy

Experiment 10: Write a python program to implement Natural language processing lemmatization using SpaCy in python.

Experiment 11: Write a python program to implement Natural language processing customize the sentence detection to detect sentences on custom delimiters in Spacy.

Experiment 12: Write a python program to implement Natural language processing **Part of speech tagging** process of assigning a **POS tag** to each token depending on its usage in the sentence in Spacy.

Experiment 13: Write a python program to implement Natural language processing built-in visualize-**displaCy** to visualize a **dependency parse** or **named entities** in a browser or a Jupyter notebook.

Experiment 14: Write a python program to implement Natural language processing preprocessing function converts text to an analyzable format.

REFERENCES:

1. Natural language processing Using Python-Analyzing the text with NLPT-Steven Bird,Ewan,klein Edward Loper,2009.
2. <https://realpython.com/natural-language-processing-spacy-python/#installation>
3. <https://www.analyticsvidhya.com/blog/2021/06/beginners-guide-of->