Natural Language Processing Lab

Exercise 4:

Application: Hate Speech Identification

Dataset: Download the dataset from [Hate Speech and Offensive Language Dataset (kaggle.com)](#)

Task:
- Explain the pipeline for developing sentiment analysis task.
- Perform cleaning and preprocessing of text.
- Generate representations using:
  - Word2Vec
  - Fasttext
  - CNN.
  - RNN
- Feed the representations as input to appropriate classification technique.
- Evaluate the accuracy of each model and analyze the labels that are misclassified.