News Reviewer

END TERM REPORT

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Student Declaration

This is to declare that this report has been written by me/us. No part of the report is copied from other sources. All information included from other sources have been duly acknowledged. I/We aver that if any part of the report is found to be copied, I/we are shall take full responsibility for it.

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BONAFIDE CERTIFICATE

Certified that this project report “News Reviewer” is the bonafide work of “Madala Lingaiah Chowdary, Yashika Choudhary, Gadde Pravalika” who carried out the project work under my supervision.

<<Signature of the Supervisor>>

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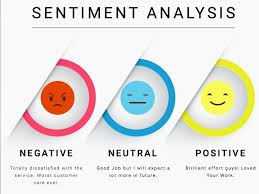
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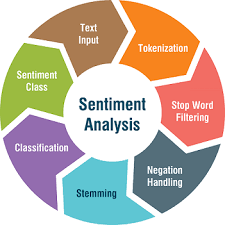
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CSE

1.Background:

Sentiment Analysis. also known as opinion mining, is the process of computationally identifying and categorizing opinions expressed in a piece of text, especially in order to determine whether the writer’s attitude towards a particular topic, product, etc. is positive, negative, or neutral. The analysis finds significant prominence in social media, stock markets, law, policy making, sociology and even customer service.





2.Outcome of project:

A news reviewer sentimental analysis has been created which will further help users to tell us about the news which is positive , negative or neutral.

3.Project Description:

1)nltk: The Natural Language Toolkit, or more commonly NLTK, is a suite of libraries and programs for symbolic and statistical natural language processing (NLP) for English written in the Python programming language.

NLP enables the computer to interact with humans in a natural manner. It helps the computer to understand the human language and derive meaning from it. NLP is applicable in several problematic from speech recognition, language translation, classifying documents to information extraction. Analyzing movie review is one of the classic examples to demonstrate a simple NLP Bag-of-words model, on movie reviews.

2)TextBlob:

TextBlob is a Python (2 and 3) library for processing textual data. It provides a simple API for diving into common natural language processing (NLP) tasks such as part-of-speech tagging, noun phrase extraction, sentiment analysis, classification, translation, and more.

3)Newspaper3k:

Inspired by requests for its simplicity and powered by lxml for its speed:

“Newspaper is an amazing python library for extracting & curating articles.” – tweeted by Kenneth Reitz, Author of requests.

“Newspaper delivers Instapaper style article extraction.”

Newspaper has seamless language extraction and detection. If no language is specified, Newspaper will attempt to auto detect a language.

4)parse:

 Text **parsing** is a common programming task that splits the given sequence of characters or values (text) into smaller parts based on some rules. It has been used in a wide variety of applications ranging from simple file **parsing** to large scale natural language processing.

5)punkt:

This tokenizer divides a text into a list of sentences by using an unsupervised algorithm to build a model for abbreviation words, collocations, and words that start sentences. It must be trained on a large collection of plaintext in the target language before it can be used.

4. Implementation of scheduled work of Project

News Reviewer will answer questions according to the needs of users and best of its knowledge.

