

TWITTER SENTIMENT ANALYSIS AND VISUALIZATION USING R

A project report submitted in partial fulfillment of the requirements
for the award of the Degree of

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING

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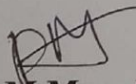
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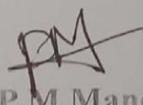


CERTIFICATE

This is to certify that the Project Report entitled “**TWITTER SENTIMENT ANALYSIS AND VISUALIZATION USING R**”being submitted, **K.SOMESHWARRAO(16811A0534), B.SHIVAGOPI LAKSHMI(16811A0511)K.G.BHAVANI(16811A0539),G.SATISHNAIDU(16811A0528)** in partial fulfilment of the requirements for the degree of B.Tech (C.S.E) in Department of Computer Science & Engineering, at AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY affiliated by Jawaharlal Nehru Technological University Kakinada ,is a record of bonafide work carried out by them under my guidance and supervision.

The results embodied in this thesis have not been submitted to any university or institute for the award or any degree of diploma.


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ABSTRACT

Sentiment analysis is a progressive field of natural language processing. It is a way to detect the attitude, state of mind, or emotions of the person towards a product, service, movie, etc. by analyzing the opinions and reviews shared on social media, blogs and so on. Various social media platforms such as Facebook, Twitter and so on allow people to share their views with other people. Twitter become the most popular social media platform that allows users to share information by way of the short messages called tweets on a real-time basis. Thousands of people interact with each other at the same time and a huge amount of data is produced in seconds. To make good use of this data, we develop a Real-time twitter sentiment analysis and visualization system called TwiSent. It is a web application and its purpose is to employ an open source approach for sentiment analysis and its visualization using a set of packages supported by python language to mine the real-time data from Twitter through application programming interfaces (APIs) using hashtags and keywords. This system will analyze the sentiments as positive and negative for a particular product and service that helps organizations, political parties, and common people to understand the effectiveness of their efforts and better decision making. Our experimental results show that TwiSent can process data in real-time, and obtain visualize information continuously.