

# SAPTHAGIRI COLLEGE OF ENGINEERING

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*Department of Computer Science and Engineering*

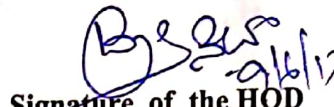
## Certificate



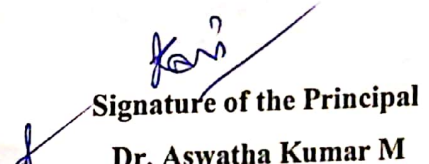
Certified that the project work entitled "Scalable and Real Time sentimental Analysis of Twitter Feeds" carried out by ASHOK SUTHAR(1SG12CS013), CHANDAN KUMAR (1SG12CS025), RAJESH KUMAR(1SG12CS088), SUKUMAR SANU(1SG12CS114), bonafide students of this institute, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum during the academic year 2016-17. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said degree.

  
Signature of the Guide

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**Dr. Prashanth C.M**  
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## ABSTRACT

In today's highly developed world, every minute, people around the globe express themselves via various platforms on the Web. And in each minute, a huge amount of unstructured data is generated. This data is in the form of text which is gathered from forums and social media websites. Such data is termed as big data. User opinions are related to a wide range of topics like politics, latest gadgets and products. These opinions can be mined using various technologies and are of utmost importance to make predictions or for one-to-one consumer marketing since they directly convey the viewpoint of the masses. Here we propose to analyze the sentiments of Twitter users through their tweets in order to extract what they think.

Since, 6000 tweets are generated every second and this number is increasing, we need a robust system to process these tweets in real-time. Here, batch-processing would have its limitations and therefore a real-time and fault tolerant system, Apache Storm is used. After classifying the tweets, we represent the analysis in the form of graphs and charts which will enable our system users to understand public sentiments on the fly. This process as a whole is also called as Opinion Mining or voice of the customer.