A MINI PROJECT REPORT

on

**Text-Based-Emotion-Recognition**

**Submitted by**

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***Declaration***

*We hereby declare that the work which is being presented in the Mini Project “****Text****-****Based******Emotion Recognition”,*** *in partial fulfillment of the requirements for Mini-Project LAB, is an authentic record of our own work carried out.*

**CERTIFICATE**

*This is to certify that the project entitled* ***“Text-Based-Emotion-Recognition”*** *carried out in Mini Project – I Lab is a bonafide work done by* ***Shashank Mittal*** *and is submitted in partial fulfillment of the requirements for the award of the degree Bachelor of Technology (Computer Science & Engineering).*

**Signature of Supervisor:**

**Name of Supervisor:**

**Date:**

**ACKNOWLEDGEMENT**

*It gives us a great sense of pleasure to present the report of the B. Tech Mini Project undertaken during B. Tech. Third Year. This project in itself is an acknowledgement to the inspiration, drive and technical assistance contributed to it by many individuals. This project would never have seen the light of the day without the help and guidance that we have received.*

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Shashank Mittal

**Abstract**

Sentiment analysis deals with identifying and classifying opinions or sentiments expressed in source text. Social media is generating a vast amount of sentiment rich data in the form of tweets, status updates, blog posts etc. Sentiment analysis of this user generated data is very useful in knowing the opinion of the crowd. Twitter sentiment analysis is difficult compared to general sentiment analysis due to the presence of slang words and misspellings. The maximum limit of characters that are allowed is 140. Knowledge base approach and Machine learning approach are the two strategies used for analyzing sentiments from the text. In this paper, we try to analyze the twitter posts about electronic products like mobiles, laptops etc using Machine Learning approach. By doing sentiment analysis in a specific domain, it is possible to identify the effect of domain information in sentiment classification. We present a new feature vector for classifying the tweets as positive, negative and extract peoples' opinion about products.