

Performance Analysis On Student Feedback Using Machine Learning Algorithms

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

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

Submitted by

Kedhari Sai Prasanna Ganji (17811A0519)
Devi Pravallika Tetakalli (17811A0547)
Sai Kumar Chintakayala (17811A0517)
Sai Harish Senapathi (17811A0543)

Under the esteemed guidance of
Mr.M.CHIRANJEEVI
Assistant professor



Department of Computer Science & Engineering

AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Affiliated to JNTU Kakinada & Approved by AICTE)

TAMARAM, MAKAVARAPALEM, NARSIPATNAM-531113

VISAKHAPATNAM (DIST)

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CERTIFICATE

This is to certify that the Project entitled “Performance Analysis On Student Feedback Using Machine Learning Algorithms” in partial fulfilment for the degree of Bachelor of Technology in Department of Computer Science And Engineering at AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, MAKAVARAPALEM, VISAKHAPATNAM is an bonafied work carried out by Kedhari Sai Prasanna Ganji(17811A0519),Devi Pravallika Tetakali(17811A0547),Sai Kumar Chintakayala(17811A0517),Sai Harish Senapathi(17811A0543) under the guidance and supervision during 2020-2021.

M.CHIRANJEEVI

Project Guide

U.Nanaji

Head of the Department

External Examiner

ABSTRACT

Sentiment Analysis or Opinion Mining is a study that attempts to identify and analyze emotions and subjective information from text. Since early 2001, the advancement of internet technology and machine learning techniques in information retrieval make Sentiment Analysis become popular among researchers. Besides, the emergent of social networking and blogs as a communication medium also contributes to the development of research in this area. Sentiment analysis or mining refers to the application of Natural Language Processing, Computational Linguistics, and Text Analytics to identify and extract subjective information in source materials. Sentiment mining extracts attitude of a writer in a document includes writer's judgement and evaluation towards the discussed issue. Sentiment analysis allows us to identify the emotional state of the writer during writing, and the intended emotional effect that the author wishes to give to the reader. In recent years, sentiment analysis becomes a hotspot in numerous research fields, including natural language processing (NLP), data mining (DM) and information retrieval (IR). This is due to the increasing of subjective texts appearing on the internet. Machine Learning is commonly used to classify sentiment from text. This technique involves with statistical model such as Support Vector Machine (SVM), Bag of Words and Naïve Bayes (NB). The most commonly used in sentiment mining were taken from blog, twitter and web review which focusing on sentences that expressed sentiment directly. The main aim of this problem is to develop a sentiment mining model that can process the text in the mobile reviews.