NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2023-2024

BATCH NUMBER	DB9
TEAM MEMBERS	S.Akshaya Kumar(20471A05M7) A.Gangadhar (21475A0523) R.Narasimha Rao (21475A0506)
GUIDE	M.Sireesha
TITLE	Sentimental Analysis on Twitter Data
DOMAIN/TECHNOLOGY	MACHINE LEARNING
BASE PAPER LINK	https://ieeexplore.ieee.org/document/10084278
DATASET LINK	https://www.kaggle.com/datasets/kazanova/sentiment140
SOFTWARE REQUIREMENTS	Browser: Any latest browser like Chrome Operating System: Windows 7 Server or later Python (COLAB)

HARDWARE REQUIREMENTS	Processor: Intel® Dual Core 2.0GHz minimum Hard Disk: 1TB minimum RAM: 8GB or more
ABSTRACT	Sentimental Analytics is the phenomenon used to show the feelings of different people, emotions, opinion. Sentimental analysis helps the authors to communicate better with the customer and develop outputs in the better way. It is the computational process of identifying and extracting the various user's opinions or options in that context. Sentimental analysis deals with 4 major steps includes data collection, data cleaning by using the data preprocessing techniques, data analysis, and understanding the results by using any of the machine learning algorithms. It is also referred as the opinion meaning, which identifies the motional tone behind a body of text The Mechanism gives whether the result is positive, negative, or neutral. It gives finer results, to keep track of users, and tells whether the tweet is uplifted or down lifted by the user's content. Algorithms such as Support Vector Machine (SVM), Logistic Regression (LR), and Naive Bayes (NB) algorithm are used for implementation. The performance of the implemented algorithm is analyzed in the terms of accuracy, precision, recall, F1-score on the tweets taken from the social media.

Signature of the Guide Signature of the project Coordinator Signature of the HOD