“FLIPKART REVIEWS SENTIMENT ANALYSIS USING DEEP LEARNING”

**A Project report submitted to**

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING WITH DATA SCIENCE

**In partial fulfillment of the requirements for the award of the Degree of**

## BACHELOR OF TECHNOLOGY IN

**COMPUTER SCIENCE & ENGINEERING WITH DATA SCIENCE**

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## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING WITH DATA SCIENCE

**CHALAPATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY**

**(Accredited by NAAC with ‘A’ grade, Approved by A.I.C.T.E, Affiliated To Acharya Nagarjuna University)**

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# CHALAPATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

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# CHALAPATHI NAGAR, LAM, GUNTUR

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING WITH DATA SCIENCE**



**CERTIFICATE**

This is to certify that the project work entitled “Flipkart Reviwes Sentiment Analysis Using Deep Learning” was submitted by Penumuchu Grishma Sri, Sankarasetti Sita, Gaddam Raghu Varma, and Ganguru Venkateswararao in partial fulfillment for the award of the Degree of BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND DATA SCIENCE is a record of bonafide work carried out under my guidance and supervision..

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**ABSTRACT**

The "Flipkart Reviews Sentiment Analysis Using Deep Learning Python Project'' involves utilizing advanced deep learning techniques to analyze sentiments expressed in customer reviews on the Flipkart e-commerce platform. This project aims to develop a model capable of classifying reviews as positive, negative, or neutral, providing valuable insights into customer satisfaction. Leveraging Python and deep learning frame works, the project focuses on training a sentiment analysis model with a diverse dataset of Flipkart reviews. The abstract emphasizes the application of cutting-edge techniques to enhance the understanding of customer sentiments and improve the overall user experience on the platform. Reading separate evaluations takes a lot of time, so what we can do is summarize the complete review into three points. For this, we can use of Sentiment intensity analysis set of rules. It is greater inexperienced than some other set of rules like visualization or records mining.

**KEY WORDS:**

Data Science, Sentiment Analyze, Opinion Mining, Reviews,E-Commerce,Natural Language Processing,Semantic Analyze**.**

**PROBLEM STATEMENT**

E-commerce systems, consisting of Flipkart, collect a giant quantity of purchaser feedback via evaluations. To gain actionable insights into purchaser sentiments, it is vital to expand a robust sentiment evaluation device.The purpose of this mission is to leverage deep studying techniques to create an accurate sentiment category model for Flipkart critiques. The device have to robotically categorize reviews as superb, negative, or impartial, enabling Flipkart to understand customer delight stages,become aware of regions for development, and decorate the overall consumer enjoy.The assignment must address challenges associated with diverse product categories,varying review lengths, and evolving language nuances within purchaser feedback. The final results is anticipated to be an efficient and deployable solution that aids in selection-making and purchaser-centric upgrades on the Flipkart platform