NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2023-2024

BATCH NUMBER	CB2
TEAM MEMBERS	P.SuryaTeja A.Achyuth T.Uma Sankar Aditya
GUIDE	M.Satyam Reddy
TITLE	Chatbot Support For College Enquiry
DOMAIN/TECHNOLOGY	Machine Learning
BASE PAPER LINK	https://ieeexplore.ieee.org/abstract/document/9725865
DATASET LINK	https://www.kaggle.com/datasets/niraliivaghani/chatbot-dataset/
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	Chatbots have become increasingly popular in recent years, serving as an efficient and personalized means of communication between businesses and customers or users. The rise of natural language processing (NLP) and machine learning (ML) techniques has revolutionized the chatbot industry, enabling chatbots to understand user input and provide relevant responses in a conversational manner. In this paper, we explore the implementation of a chatbot using NLP and ML techniques. The chatbot is trained on a large dataset of user interactions, allowing it to improve its ac curacy and performance over time. The use of machine learning algorithms enables the chatbot to learn from user input and adapt to new situations, ensuring that it pro vides accurate and relevant responses. The use of NLP and ML techniques has led to a significant improvement in the chatbot's accuracy, making it an invaluable asset for businesses seeking to enhance their customer service capabilities. In addition to its accuracy, the chatbot's ability to provide personalized and engaging responses makes it a valuable asset for businesses seeking to improve customer satisfaction and loyalty. The chatbot's multilingual support also allows it to cater to a global audience and provide personalized responses in the user's preferred language.