Industrial Project Report

On

CHATBOT

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THIS IS SUBMITTED IN FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF

AFFILIATED TO

Maulana Abul Kalam Azad University of Technology

Siliguri Institute of Technology   Hill Cart Road, Salbari, Sukna, West Bengal 734009

Under the supervision of :- Mr. Ripam Kundu

Sikharthy Infotech Pvt. Ltd.

PROJECT ON :- CHATBOT

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I hereby forward the documentation prepared under my supervision by **Ripam Kundu Sir** entitled **Siliguri Institute Of Technology** to be accepted as fulfillment of the requirement for the Degree of Bachelor of Technology in electronic communication and electrical engineering, **Siliguri Institute Of Technology** affiliated to **Maulana Abul Kalam Azad University of Technology** (**MAKAUT**).

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Certificate of Approval

The foregoing project is hereby approved as a creditable study for the B.Tech in Electrical Engineering presented in a manner of satisfactory to warrant its acceptance as a prerequisite to the degree for which it has been submitted. It is understood that by this approval the undersigned do not necessarily endorsed or approved any statement made, opinion expressed or conclusion therein but approve this project only for the purpose for which it is submitted.

Final Examination for
Evaluation of the Project

Signatures of Examiners

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__ABSTRACT__

The paper explains the working of an ChatBot, which contains data produced by am AI ChatBot . ChatBot is defined as a P2P platform. It takes user input and queries from the user and replies to it accordingly. An AI ChatBot is a feature which is seen to take over the world mostly in near future. Since the industry is booming and expected to grow shortly.

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Finally, we express our sincere thankfulness to our family members for inspiring me all throughout and always encouraging us.

Group Mamber Signature

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TABLE OF CONTENTS

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INTRODUCTION

A chatbot is a computer program that uses artificial intelligence (AI) and natural language processing (NLP) to understand customer questions and automate responses to them, simulating human conversation.

We will use Python and its different libraries to complete the **chatbot**

WHAT LIBRARIES WE USED

Importing Libraries

The analysis will be done using the following libraries :

- Nltk: Natural Language Tool Kit – or NLTK – is an open-source suite of libraries and programs for building programs in Python language.

- Pandas: pandas is a software library written for the Python programming language for data manipulation and analysis. In particular, it offers data structures and operations for manipulating numerical tables and time series. It is free software released under the threeclause BSD license.

- Json: it is a standard text-based format for representing structured data based on JavaScript object syntax.

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ABOUT THE PROJECT

A chatbot is a computer program that uses artificial intelligence (AI) and natural language processing (NLP) to understand customer questions and automate responses to them, simulating human conversation.

Organizations looking to increase sales or service productivity may adopt chatbots for time savings and efficiency, as artificial intelligence (AI) chatbots can converse with users and answer recurring questions.

BENEFITS OF CHATBOT

- It can hold multiple conversations at once.

- Proactive customer interaction.

- Monitor and analyses customer data.

- Improves customer engagement.

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FUNCTIONAL REQUIREMENTS OF THE SYSTEM

SOFTWARE:

- Windows OS 11
- VS Code

WEB BROWSER:

- Internet Explorer 7
- Google Chrome
- Brave

CODING LANGUAGE :

- Python

FUTURE SCOPE OF CHATBOT

Chatbots are already good at understanding complex human conversations, and 2023 will be the year that this trend will continue. Chatbots can understand more nuanced conversations and respond in a much more "human" way. In fact, the responses will get so good that, at one point, users may not even want to enable the "bot-to-human-handoff" feature. Sentiment analysis and emotion detection features of the bots will become more accurate and sophisticated. Social media monitoring will be much easier for companies with NLP-powered bots that can detect and respond to negative reviews and comments

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OUTPUT

```
C:\Users\raj42\OneDrive\Desktop\AI chatbot>python main.py
|============= Welcome to College Equiry Chatbot System! =============|
|=============================== Feel Free ==============================|
|================================ To ==============================|
|============== Ask your any query about our college ===============|
| You: who are you?
1/1 [=============================] - 0s 125ms/step
| Bot: SIT Chat Robot Systemm
| You: what is weather
1/1 [=============================] - 0s 31ms/step
| Bot: Informatics College Pokhara is located in Matepani-12, pokhara near Gandaki Hospital.
| You: can you give me some money
1/1 [=============================] - 0s 31ms/step
| Bot: you're welcome
| You:
```

CONCLUSION

Using python we have created a chatbot that establish connection between the user and AI.
I program to solve people problems. At the end in the future this kind of the program will going
to play an major role in development of a

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REFERENCE

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- **https://en.wikipedia.org/wiki/Chatbot**

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