

CHAT-BOT

CHODE SURYAVAMSI





WHAT IS A CHATBOT

A CHATBOT Is a computer program that simulates human conversation through voice commands or text chats or both. Chatbot short for chatterbot, is an **Artificial Intelligence(AI)** feature that can be embedded and used through any major messaging applications. There are a number of synonyms for chatbot including “Talkbot” ,”Bot”, “Im bot”, “Interactive agent”, or Conversation entity.

INTRODUCTION

- In our project we explore how a chatbot can give information to students about college related information. In our project we created a chatbot for giving students information about college queries or any information related to the college.
- Different tasks can be replaced with AI-powered bots as they are much more powerful and are capable of performing multiple tasks at once.
- It recognizes using pattern matching, user input as well to access information to provide a predefined acknowledgment.

LITERATURE SURVEY

- A chat bot allows a user to simply ask questions in the same manner that they would address a human.
- The most well-known chat bots currently are voice chat bots: Alexa and Siri. However, chat bots are currently being adopted at a high rate on computer chat platforms.
- Chatbot has a very bright future because in recent years we are going to see that it will become very common as a website.
- The aim of the present studies is to create a chat bot with different features, and information regarding different algorithms based on natural language processing

ABSTRACT



- A computer program designed to simulate conversation with human users , especially over the internet.
- Examples of chatbot like Alexa, Siri etc...
- Chatbots provide the assistance or access to information quickly and efficiently.
- Chatbots amuse people by giving them funny tips they also help killing time when users have nothing to do.

EXISTING VS PROPOSED SYSTEM

- This Chatbot is very simple and user friendly. It is not very complicated like other Chatbots. The working of the Chatbot is simple and can be easily understood by any person.
- In other Chatbots, the working is very complicated. Many classes are used which is difficult to understand. In this program, only one class is used to make it simple and obtain the expected output.
- If the input is not found in the database, a default response is generated. The input and output can be customized according to the user.
- Since own database can be created, it allows the user to understand how the response is generated. It can also be used to provide information by modifying the program as needed by the user.

HOW DO CHATBOTS WORK

- CUI(Conversational User Interface)
- CUI enables people to interact with machines in an understandable human language.Using the right CUI, a business can effortlessly guide its customers to the desired goal, provide them with assistance and even keep communicating with the person for future marketing campaigns.
- A chatbot can be a friend to clients providing them with assistance and helpful advice need.It can be as different as you wish it's up to your chatbot personality.

THE ARCHITECTURE OF A CHATBOT




Chat window/session/ or front end application interface.


The deep learning model used for Natural Language Processing(NLP).


Corpus/ Training data for training the NLP model application.

Database for processing actions to be performed by the chatbot.

RESULTS

 Let's Chat

Type here 


 Let's Chat


B.TECH,BSC,BA,BBA

M.TECH,MSC,MBA,MPP

undergraduateprograms

postgraduateprograms

Type here 


 Let's Chat

Dr.v.s.k.Reddy

Dr.G.Naveen kumar

vicechancellor

hodofdatascience

Type here 

CONCLUSION

- Chatbots boost operational efficiency and bring cost savings to businesses while offering convenience and added services to internal employees and external customers. They allow companies to easily resolve many types of customer queries and issues while reducing the need for human interaction.
- Easy communication.
- Friendliness and approachability.

REFERENCES

- T.M. Mitchell, “Machine Learning”, McGraw-Hill, 1997.
- CHATBOT: Architecture, Design, & Development. Ph.D. Thesis, University of Pennsylvania, School of Engineering and Applied Science, Philadelphia, PA, USA, 2017.