

TITLE:
COLLEGE ENQUIRY CHATBOT

CLASS ASSIGNMENT

By:

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STUDENT DECLARATION:

This is to declare that this report has been written by us. No part of the report is copied from other sources. All information included from other sources have been duly acknowledged. We aver that if any part of the report is found to be copied, we are shall take full responsibility for it.

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TABLE OF CONTENTS

TITLE	PAGE NO.
1. Background and objectives of project assigned:	
1.1 Introduction.....	4
1.2 Background.....	4
1.3. Objective	4-5
1.4 Motivation.....	5
1.5. Outcome	5
1.6 Disadvantages	5
2. Description of Project.....	6
2.1 Flow diagram	6
3. Description of Work Division:.....	7
4. Implementation of scheduled work of Project.....	7-8
5. Technologies and Framework used.....	10
6. SWOT Analysis.....	10
7. Conclusion.....	10
8. Future scope.....	10
9. Github link.....	10

1. Background and objectives of the project assigned:

1.1. Introduction

The College bot project is built using artificial algorithms that analyses user's queries and understand user's message. This System is a web application which provides answer to the query of the student. Students have to just query through the bot which is used for chatting. Students can chat using any format there is no specific format the user has to follow. The System uses built in artificial intelligence to answer the query. The answers are appropriate what the user queries. The User can query any college related activities through the system. The user does not have to personally go to the college for enquiry. The System analyses the question and than answers to the user. The system answers to the query as if it is answered by the person. With the help of artificial intelligence, the system answers the query asked by the students. The system replies using an effective Graphical user interface which implies that as if a real person is talking to the user. The user just has to register himself to the system and has to login to the system. After login user can access to the various helping pages. Various helping pages has the bot through which the user can chat by asking queries related to college activities. The system replies to the user with the help of effective graphical user interface. The user can query about the college related activities through online with the help of this web application. The user can query college related activities such as date and timing of annual day, sports day, and other cultural activities. This system helps the student to be updated about the college activities.

1.2. Background

We are in the age, where the intelligent machines have arrived. There are number of new kinds of machines and software available which are collectively know as Bots. Bots are the computer program which simulates human conversation through voice commands or text chats or both. We are in the age, where the intelligent machines have arrived. There are number of new kinds of machines and software available which are collectively know as Bots. Bots are the computer program which simulates human conversation through voice commands or text chats or both.

1.3. Objective

Chatbots are being made to ease the pain that the industries are facing today. The purpose of chat bots is to support and scale business teams in their relations with customers. It could live in any major chat applications like Facebook Messenger, Slack, Telegram, Text Messages, etc.

Here some objective for college enquiry chatbot

1. User does not have to go personally to college office for the enquiry.
2. This application enables the students to be updated with college cultural activities.
3. This application saves time for the student as well as teaching and non teaching staffs.
4. 24X7 services will be available.

1.4. Motivation

We have all heard about AI. It's a buzz word these days with the likes of Elon Musk and Mark Zuckerberg debating it. It's the next thing as Jeff Bezos has mentioned recently with no human workplaces. An aspect of AI and bots that I want to touch on is chatbots. We can use them in marketing and it's important we do.

I don't want to dive into implementation now — that comes separately. First, we need to agree on the need to use them if you've not already started.

1.5. Outcome

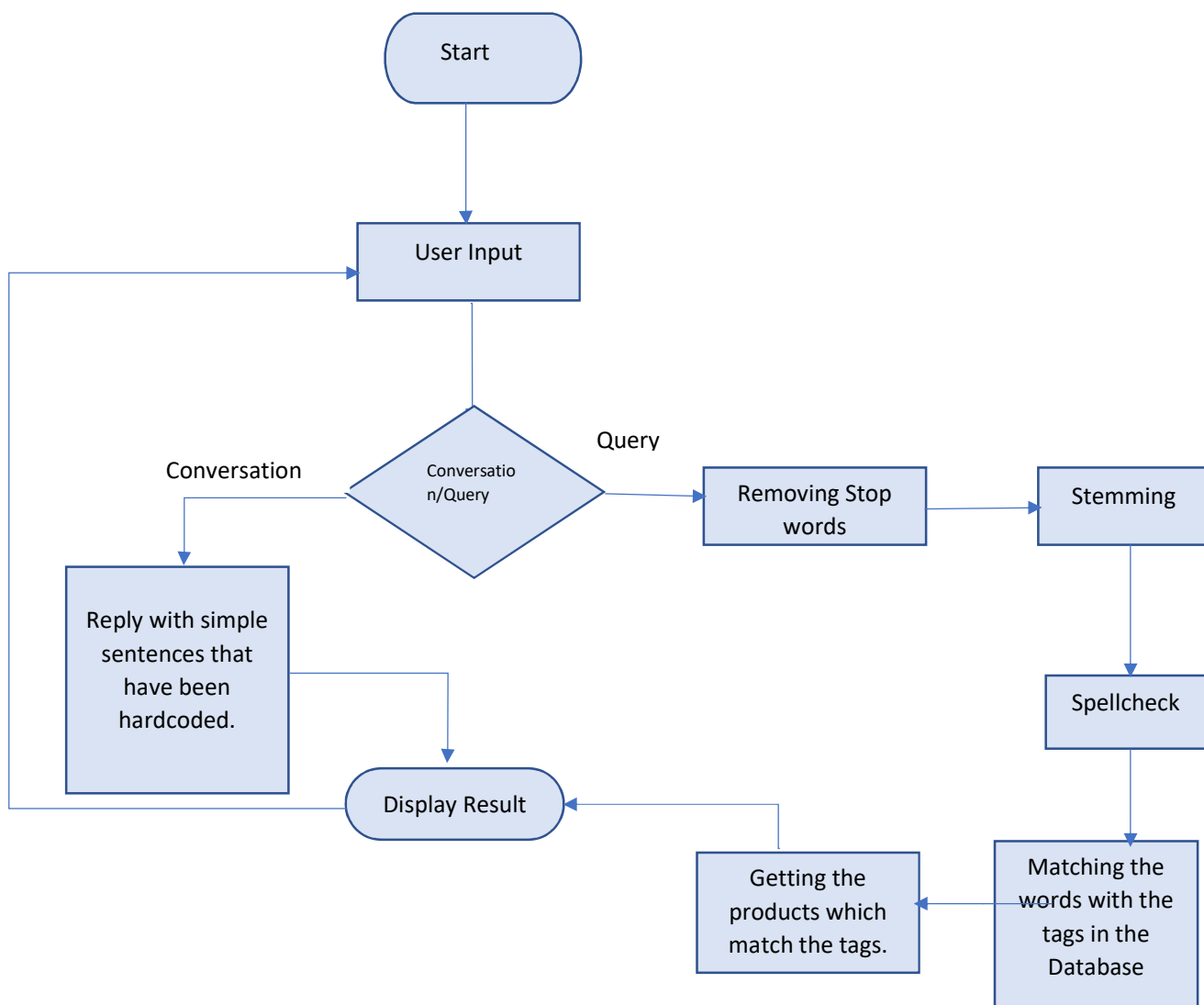
1. Chatbots are excellent tools to process a large volume of requests.
If a particular company receives many requests, it is not necessary to increase the template or team capacity for receiving queries. A well built chatbots allows the brand to face all the questions in a simultaneous manner.
2. It allows studentss to better know and understand their college.
Students can get real insight into what they're college prefer, and therefore provide improved offers and answers to their users. There's lots to be learned from most searched and used words in regards to what interests the users most.
3. Low maintenance costs.
Chatbots allow companies to save money and are easy to configure to meet different needs (depending on the application used). Once they have been built the costs of keeping them updated are relatively low.

1.6. Disadvantages

- 1.This system requires Internet Connection.
- 2.If many user enquires at same time, response will be slow.

2. Description of Project

2.1. Flow diagram



3. Description of Work Division :

1. Sumit kumar:

Contributed in writing code in creating this chatbot, like logic and in design of the GUI part. Created presentation of the project

2. Anurag Mehta

Contributed in training the chatbot by providing questions in data base. And also help in creating presentation for this project.

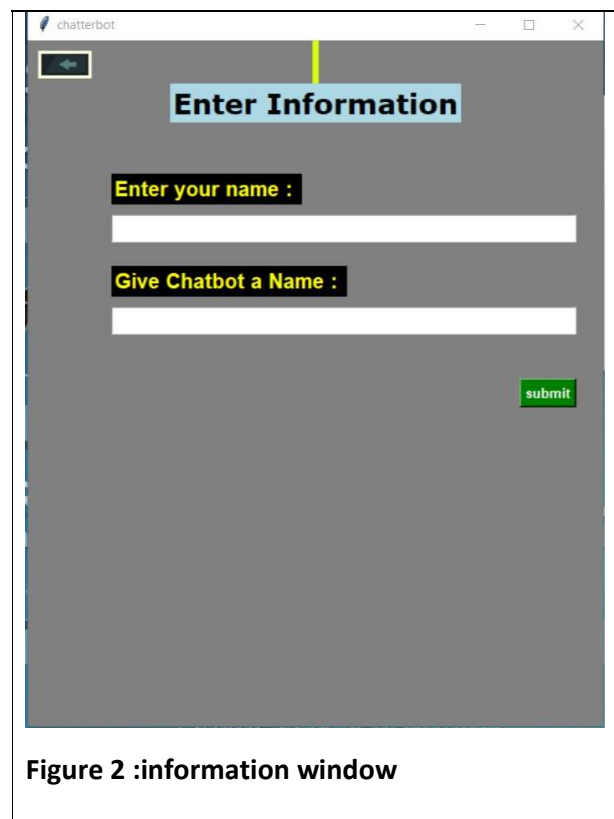
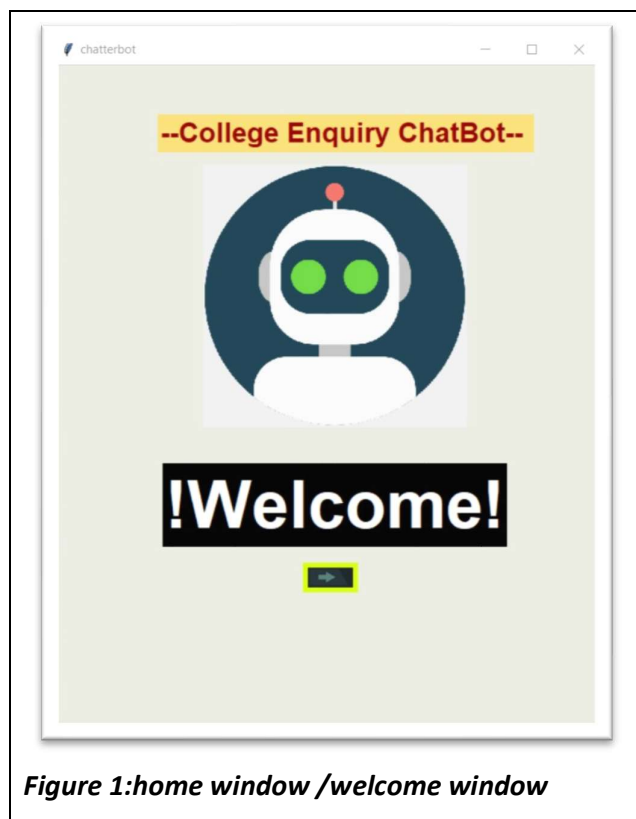
3. Ishan Bhanot

Contributed in training the chatbot by providing questions in data base, and created some part of gui. Also helped in creating gui part of the project.

4. Nitin Chauhan

Contributed in training the chatbot by providing questions in data base, and created some part of gui .

4. Implementation of scheduled work of Project



chatterbot

Enter Information

Enter your name :
sumit kumar

Give Chatbot a Name :
pyBoat

submit

Figure 3: information filled

chatterbot

Select Topic

1- Admission →

2- Academic →

3- Eaxmination →

Figure 4: selection page to ask question to related topic

chatterbot

Admission

refresh

hi

who created you?

what is your name?

what is college fee?

hostel fee?

what is fee?

hostel facility?

hi sumit kumar !
!! Ask your quarry !!

SUMIT KUMAR
ANURAG KUMAR
NITIN CHAUHAN
ISHAN

pyBoat

I don't understand.....please teach me !

54k

74k/sem

yes

SUBMIT

Figure 5: chat with boat on admission issues

chatterbot

Academic

refresh

WHAT IF A STUDENT FAILS TO REGISTER FOR THE SELECTION ROUNDS BEFORE THE DEADLINE?

After getting the information regarding the courses and fulfilling the eligibility criteria, the student can apply for any number of courses by paying required registration amount for reserving the seat (which will be adjusted with their Tuition Fee).

SUBMIT

Figure 6: chat with boat on academic issues

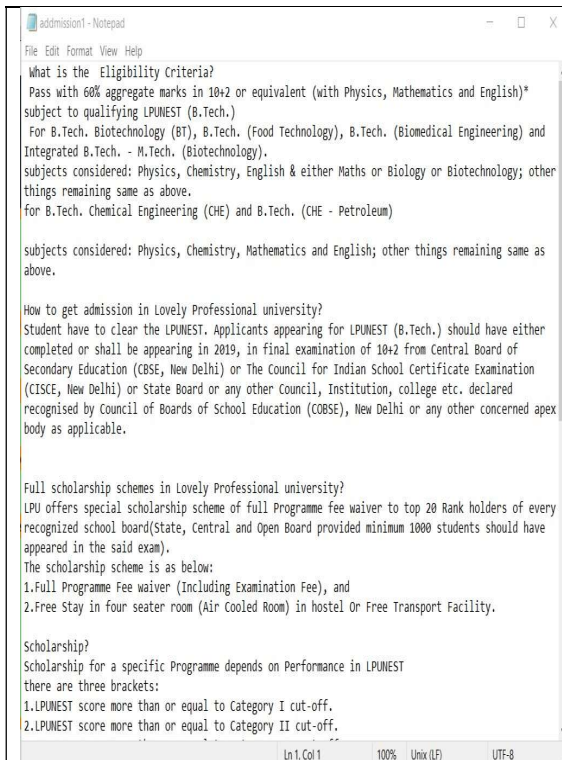


Figure 7:admission quarry data base

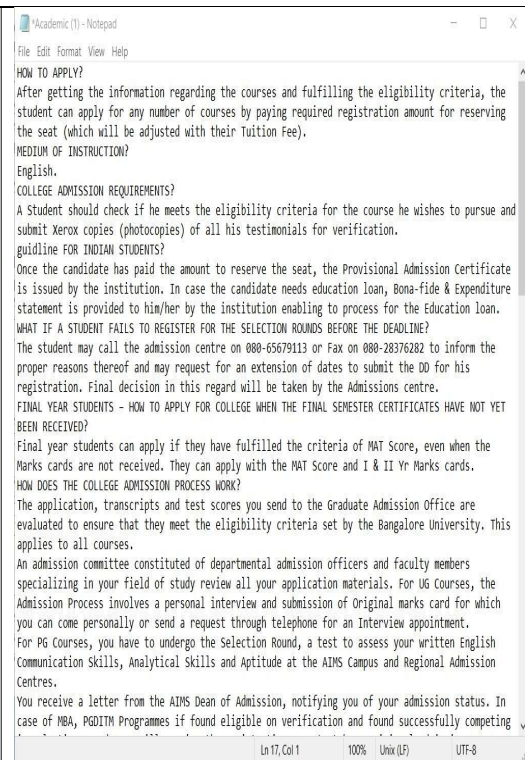


Figure 8:academic quarry data base

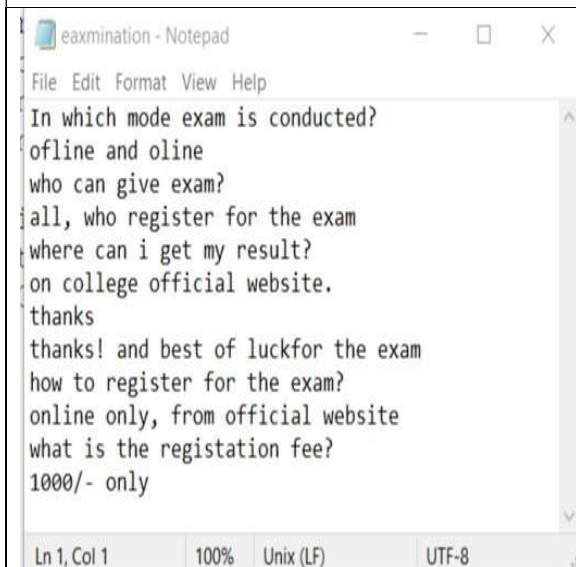


Figure 9:examination quarry data base

5. Technologies and Framework used.

All the project is done by using python source codes using tkinter package. And all data base is created in .txt file.

To implement this project, we have used Anaconda Jupiter Notebook

And the presentation is created using ms word.

Platforms: anaconda Jupiter notebook, github, notepad

6. SWOT Analysis

Strength:

Chatbot is computer program that is built on AI, ML and NLP to provide enhanced customer experience. User friendly Instant response Instant access to get appointments Quick access to medical history

Weakness:

Initial costs Lack of awareness among end users regarding the usefulness of chatbot. End users still depend on traditional methods.

Opportunities:

27% of India's population uses a smartphone. 29% of consumers are willing to use chat bots. According to our survey, 34% are willing to use chat bot in healthcare sector.

Threats:

Market entry of competitors Substitutes to chat bots i.e., websites and apps

7. CONCLUSION:

The proposed system will be used to identify answers related to user submitted questions. The need is to develop a database where all the related data will be stored and to develop a web interface. A database will be developed, which will store information about questions, answers, keywords, logs and feedback messages. A usable system will be designed, developed and deployed.

8. FUTURE SCOPE:

In the future scope of this project, we can include voice based queries and answers. The users will have to give voice input and the system will give the text output and while giving it, it will give a voice output as well. By just adding text-to-speech and speech-to-text we can add the above functionality to our project.

9. Github link:

!! THANK YOU !!