



COLLEGE ENQUIRY CHAT BOT

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Abstract: chat bots are the knowledgeable systems that understands and responds to the question asked by users in their own language. chat bot responds in voice communication a touch like however a person's move with each other. throughout institute's tutorial admission procedure there is a massive queue at the enquiry window. students simply have to be compelled to add question range to the chatbot and it can answer to student question. a login and register system webpages can also be additional inside the system to forestall unknown users from gathering details. the user might offer their suggestions through the suggestion box. the system replies exploitation an economical graphical worm that suggests that as if a real person is interacting with the user. this chatbot is usually a sort of service that is in a position to be your agent providing you enquiry data regarding faculty.

Keywords: Chat Bot, Virtual Assistant, College Enquiry, Web Application, Queries.

I. INTRODUCTION

Chat bots are sort of a virtual agents which might converse like humans' interaction. they're going to attempt to answer your queries or doubts through chatting medium as if human is interacting with you. This project deals with creation of a chatter bot will answer which may connected queries quickly as potential. As a undergraduate or unaware person we want basic information to know regarding college, this application will facilitate in providing such enquiry information through chatting medium. A chatbot is associate instance of emotional calculation system that mirrors human conversations to supply instructive, esteem based totally, and informal organizations. This chatbot would be developed concerning college amenities, faculty and placement and their facilities. This project is mainly specializing in creating a chatbot to use by students to induce their queries responded simply from the faculty web site. Enquiry Chatbot has the potential to make friendly conversations respond the course and college details, supply the tutorial calendar, answer the usually asked queries and provides the timings, address, contacts and events data of the departments.

A. Aim

- This project aims to develop a enquiry Chabot that answers any queries post by students like college details, course-related queries, location of the school, fee structure etc.
- One among the prime goals of chatbots is to favor an intelligent human and build it tough for the receiver of the conversation to understand the important alongside aboard various architectonics and capabilities for his or her usage has wide fill out.

B. Objectives

- The main objective of the project is to develop associate rule which is able to be used to establish answer related to user submitted queries.
- The college enquiry chatbot intends to contour the method of question resolution
- The chatbot is supposed to make students feel as if they are speaking with college professionals, and their queries are answered through informal text.
- The final goal of our web site is to save|to avoid wasting} lots of time and energy and additionally to be updated with faculty activities.
- A login and register page is added inside the web site to prevent unknown users from gathering data.
- In modern era, generation has keen interest in texting rather than using mails, participating them through chatbots are aiming to be a good alternative for our projected system.



C. Features

- Login and Register page.
- About Us Page
- Suggestion Box
- Answers to users' queries
- Replies using an effective GUI
- Also answers queries post by students like college details, course-related questions, location of the college, fee structure etc.
- Log out.

II. LITERATURE SURVEY

A chatbot is an instance of emotional calculation system that mirrors human conversations to grant instructive, esteem based and informal organizations. These type of chatbot provides answers to the queries of the students. Objective of the project is to develop a chatbot system which is able to establish answers related to user submitted queries. A database is developed, which can store knowledge relating to queries, answers, keywords, logs and feedback messages. A chatbot aims to form a language between every human and machine. The machine has been embedded data to identify the sentences and making a decision itself as response to answer a question. The user message i.e. question is hold on to the response principle. The information of chatbot are stored within the database. The development of Chatbot application in numerous programming language had been finished making a computer program to send input and receive response. Structured query language (SQL) for pattern matching had been used within the program.

III. METHODOLOGY

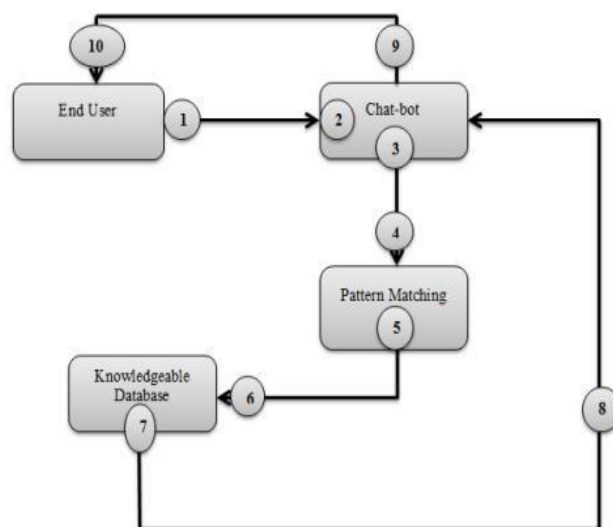
A. On-Line Enquiry

Students will enquire concerning facilities and question associated with exams, academics, fee structure, etc. Students can even ask queries related to cultural and social activities carried out in the college.

B. On-Line Chatbot

The result may be showed to the user in the form of card format or in text format. The question are going to be answered on the basis of queries asked and also the response media created. Users that wish to enquire about the college at the time of admission or any competition held within the college will question to the chat-bot.

C. Given below is the system architecture of this chat-bot:



The basic rule which will be enforced for operating of this planned system is as follows:

Step 1: Start.

Step 2: Get the input question from the user. Step 3: The question is pre-processed.



Step 4: Fetch the remaining keywords from the question.

Step 5: Match the fetched keywords with the keywords in knowledge base, and supply an acceptable response.

Step 6: Further the database module is employed to call correct services using entity data to seek out correct information.

Step 7: The keywords are matched with the assistance of keyword matching algorithm.

Step 8: It returns the question response to the chatbot.

Step 9: Chat-bot packages the info into correct response for display by the client.

Step 10: Exit.

IV. MODELING AND ANALYSIS

A. Problem Definition:

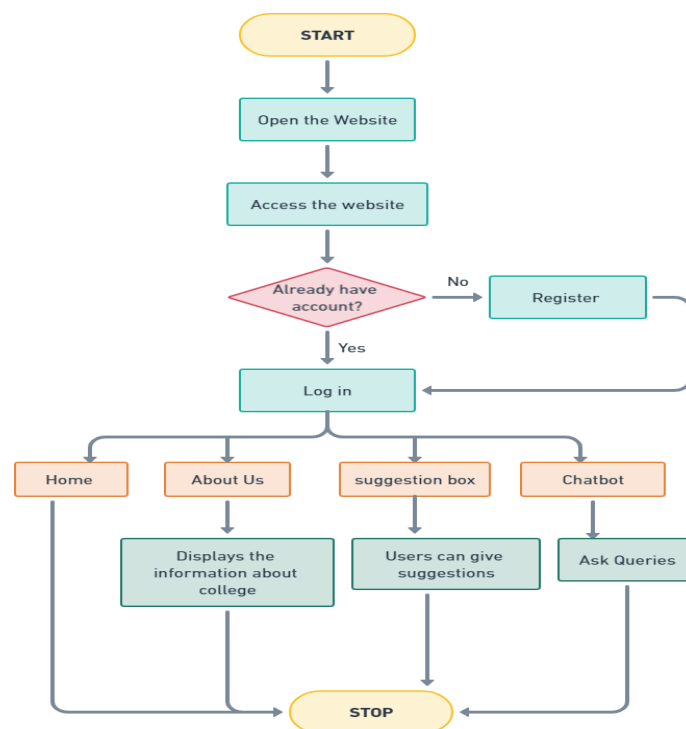
College Campuses are immense in terms of the area they cover. If a certain person has a question that he needs to enquire, he/she would need to visit varied departments gathering segments of the solution to the question he had. As we see, whenever admission days are nearer all college members strive their best to guide parents and students to induce into course they want. College Enquiry Chatbot will reduce half the work by giving students brief information concerning admission, courses, fees and lots of additional. All the queries by students will be answered through the chatbot.

B. Framework used is chatbot:

Flask:

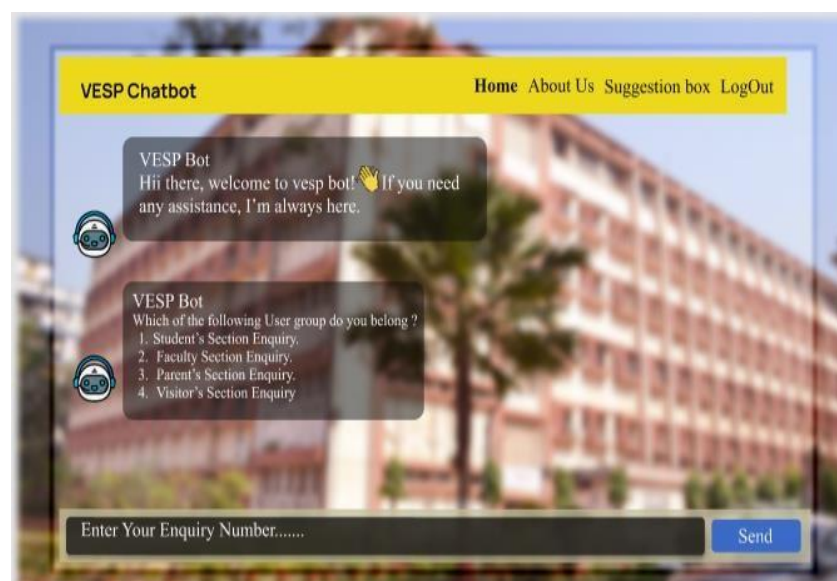
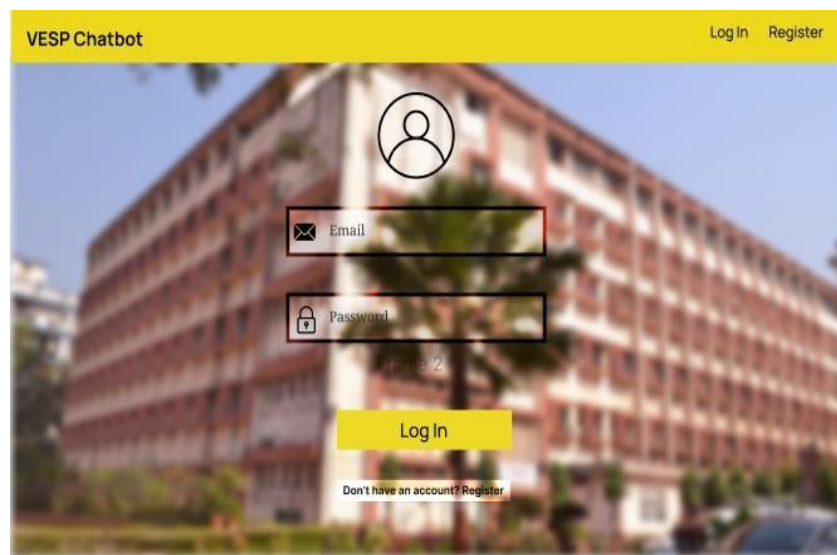
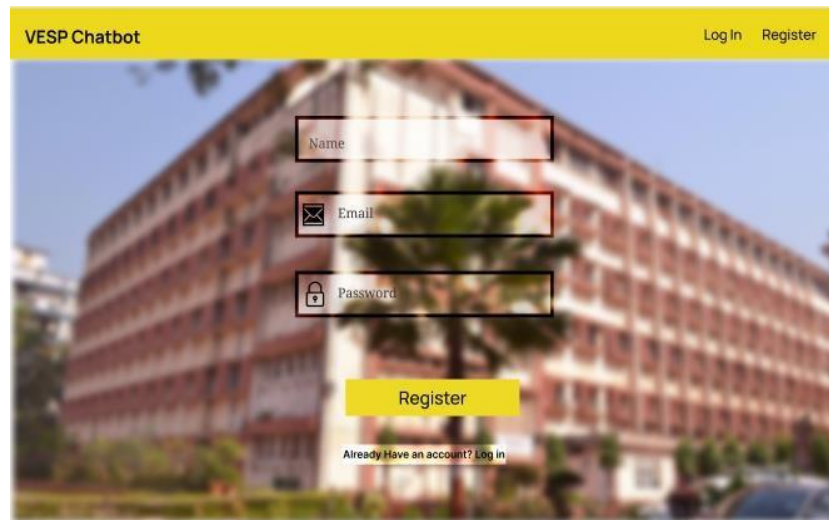
Flask may be a little and light-weight Python web framework that has helpful tools and options that build making web applications in Python easier. It offers developers flexibility and may be a additional accessible framework for new developers since you'll be able to build an online application quickly using solely one Python file. Flask is known as a micro-framework as a result of it's light-weight and solely provides elements that are essential. It also provides the mandatory elements for web development like routing, request handling, sessions and so on. For the opposite functionalities like data handling, the developer will write a custom module or use an extension. This approach avoids unnecessary boilerplate code, that isn't even getting used.

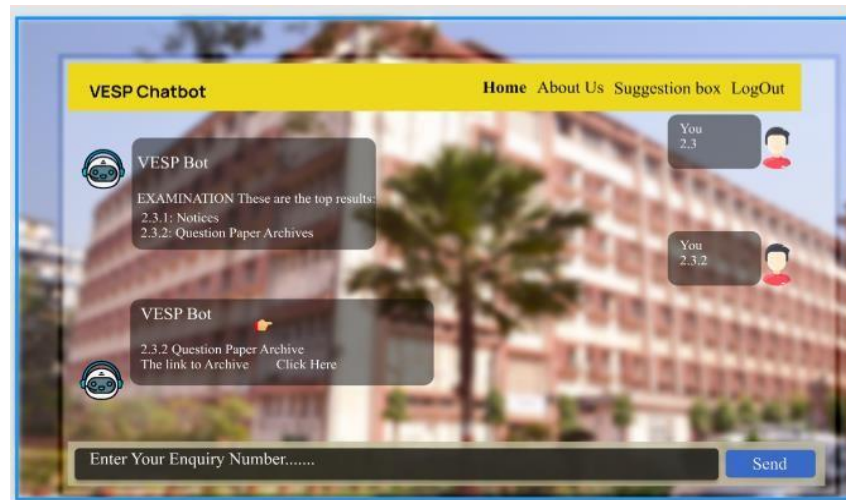
C. Flowchart:





V. WEBSITE RELATED IMAGES





VI. CONCLUSION

Chat bot are often utilized by any college and Universities on their web site in order that external stakeholders will raise their queries anytime. And it'd be considerably effective to simplify the admission method additionally as this chatbot isn't solely providing college data. A database is developed to store all connected data's and to develop a web interface. The web interface developed had one component which is for the administrator. A information system was designed, that stores data relating to queries, answers, keywords, logs and feedback message. Chabot framework is carried out to satisfy scholarly requirements of the clients. Generating reaction from a Chabot is information based one. At the point once a user starts asking queries within the Chabot Graphical interface (GUI). The question is looked within the data base. On the off chance that the reaction is found within the data base it's shown to the client else the framework tells the administrator regarding the missing reaction within the data set and provides a predefined reaction to the user.

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