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CHATBOT FOR COLLEGE ENQUIRY

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Abstract: Frequently we tend to tend to pay our time interrelate with numerous chatterboxes on the net, mostly targeted at such functions or just amusement. The chatbots have embedded information that helps them acknowledge the user's question and provide an answer to it. The college enquiry chatbot project is meant exploitation algorithms that interpret user queries and understand user's message. The college enquiry chatbot project is developed exploitation algorithms that analyze user queries and understand user message. This method is a web application that provides answers to the student's question. Students would really like simply question through the bot. The program analyzes the user's query and answers. Then the bot responds to the query, as if the real person were asking it. The program responds to the students' question with the help of algorithms. The system can have an internet board which can browse any text through the links, this will ease the user get the relevant notifications changed. The user won't waste heaps of your time checking out the suitable notices.

Key Words - Chatbot, Database, Python, MySQL.

I. INTRODUCTION

Chatbot was a computer application which can speak to kinsmen naturally, the manner we interact with one anothe. It can put back a person's for multiple tasks of answering queries. A chatbot is a proxy that interacts with users using painless language. It had been built as an endeavor to hoax humans. Various appeal of chatbots like Customer Service, call centers etc. uses AI terminology to talk with user. One among the prime goals of chatbots is to favor an intelligent human and make it difficult for the receiver of the conversation to know the important working alongside various architectonics and capabilities for his or her usage has widely fill out. The chatbots can prove decent to fool the user into basic cognitive process they're "talking" to a person's being, but are very limited in improving their cognitive content at runtime, and normally have a very little to no means of keeping track of all the colloquial data. Chatbots makes use of machine learning to triumph in AI helping them to know the user query and supply proper response. The chatbots are flourished using the synthetic Intelligence parlance for interacting with the user. This consist a software which can be made up using Python, PHP framework and can help user to talk with machine.

II. MOTIVATION

As students, we have a tendency to gain more of knowledge concerning our school, college and university throughout our course. Generally obtaining this details is very cumbersome and drawn-out. Like obtaining facts concerning our fees structure or the due fees remaining may be a terribly drawn-out method that we have to travel to administration building and notice the right window so explore for a no dues form then fill it with correct information so submit it to the acceptable person so that person can tell us our due fees. So why have this long and worthless process to get this minor information. We as a computer science student are always looking forward to solving the problems around us using the technology that we learn and how to implement them to achieve ease of usage in real life. This is where we thought of using an intelligent bot delivering this information. Think about an application, where all you have to do is just ask. You would like to grasp the fee structure of a student, then ask the bot about is it clear or not it will tell you. There is no need of doing a prolonged and feverish procedure. There is no need of doing a prolonged and feverish procedure. If you want to know how to fill the exam form, no problem our bot will help you about the process and the steps. It can also solve the perplexity once a student is about to join the college. He/she might want to enquire about the fee structure of various colleges and understand their admission procedure. Currently within the current system, it will be a protracted method. You would have to go to various college websites and then look over it. Then our bot can do it for you in seconds all you may have to do is to ask it. Isn't it simple and convenient?

III. EXISTING SYSTEM

In the earlier days students had to visit the college to enquire about details like courses ,fee structure ,admission process and other information's about the college ,which is a tiresome process as well as long process for both parents as well as students. Now a days there are many changes occurred in the Education system with help of advanced technolog. Everything is happening over the internet without any trouble. In those days for enquiring about courses we have to visit the college, but as the days are passing away its completing changing. Collecting the course details, fee structure manually will be hectic procedure and it also needs a manpower. For reducing that manpower and avoid such difficulties and time consuming many devices or systems were emerged day by day.

IV. PROPOSED SYSTEM

A Student Chabot project could be a retrieval-based chatbot that uses AI concepts to possess conversations with humans. Once ever a user asks any question, the bot can first analyze the request, builds a response and send it back to the utilization. The chatbot can break down the user sentence into 2 things: intent and an entity. A retrieval-based chatbot is one that functions are predefined input patterns and set responses. Once the question is entered, the chatbot use a heuristic approach to deliver the suitable response. The retrieval-based model is extensively used to design goal destined chatbots with bespoken options just like the flow and tone of the bot to reinforce the client expertise. ChatBots use pattern matching to classify the text and produce a suitable or best response for the clients. A customary structure of those patterns is "Artificial Intelligence Markup Language" (AIML). The planned System could be a net application that has answers to the queries provided by the scholar or the user. Users can just question through the chatbot that is used for chatting. Students can chat by any format there isn't any specific format the user must follow. The answers are applicable what the user queries. If the answers are found to be invalid or not accessible, then those queries are hold on into the unanswered table that's basically created by the admin. Later those queries will updated by the admin, simply just in case of urgency we are provides a message that "our representatives can get to bear with you shortly". This could be displayed once aggregation the desired data from the user. Admin can browse invalid answer through portal via login System, it's going to permits the admin to get rid of the invalid answer conjointly as in updating the acceptable answer for the question raised by the user. The User can raise any college connected activities through the system. The user does not have to be compelled to personally move to the college for enquiry. The System analyzes the question then answers to the user. The system answers to the query as if it's answered by the real person. The system replies with the assistance of a decent Graphical interface that suggests that as if a real person is rebuke the user. The user can question concerning the college connected activities through on-line with the help of this net application. This technique helps the scholar to be updated concerning the faculty related information.

4.1Proces Flow Chart

This section shows the basic steps that how the chatbot provide answers for the users query will be shown in the following Fow Chart:-

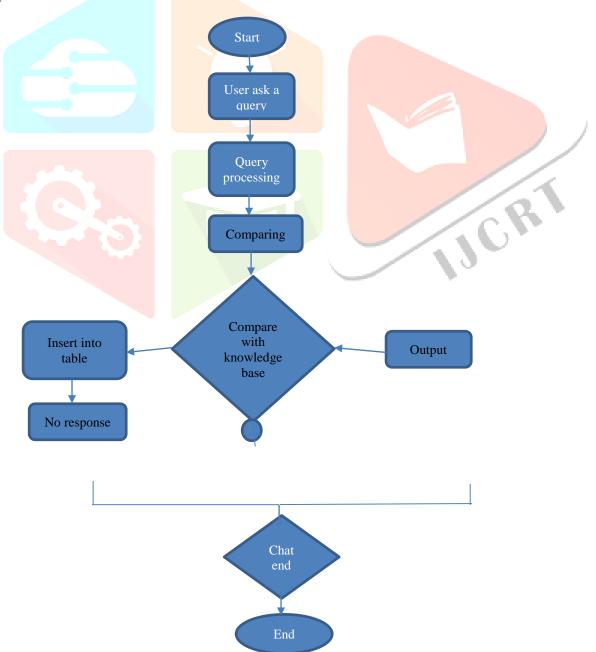


Fig-1: Flow Chart for College Enquiry Chatbot

The Flow Chart describes the entire process of the system or working of chatbot, if the user cannot find the answer for a query then the bot will answer "sorry I can't understand", in such condition user can send feedback to the admin by using feedback form in the home page. Admin can view the feedback and the corresponding query and answer will be stored and update the data in the database.

4.2 ER Diagram

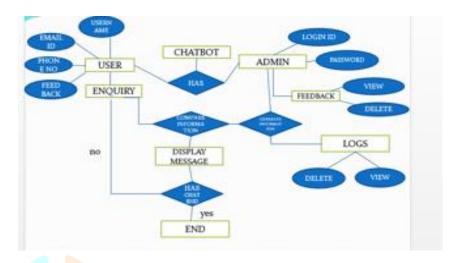


Fig- 2: ER Diagram of ChatBot For College enquiry

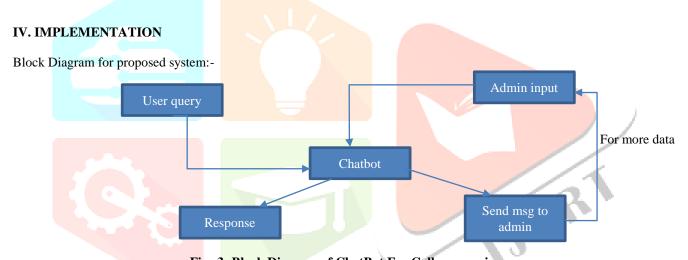


Fig:-3: Block Diagram of ChatBot For College enquiry

From the block diagram it is clearly shows that, the student or any other user ask query to the Chatbot, that query will be stored in the database, and the answer related to the query will be displayed to the user. If that query is not in the database then the user can ask the admin to add more data to the bot. The entire background process will be done by the admin.

4.1 Creation of Table in Database

A database consisting of different tables. These different tables will store key-words, answer- sentences, mutual weight of each key-word corresponding to each answer-sentence and the lists of words to be filtered out. We are having programs or code for searching through these tables and come up with the most suitable replies or response corresponding to the user's query.

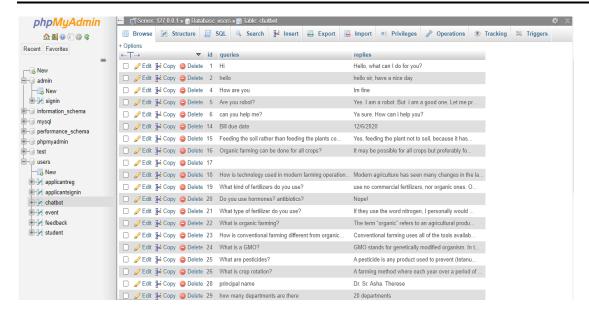


Fig:-4: Tables in Database

V. APPLCATIONS

- College enquiry chatbots helps the students to get the right sources of information.
- Not Only the college enquiry chatbot any bot that will provide them an instant as well as accurate response or answer.
- Enhance Artificial Intelligence Based ChatBot System, it will be used in most of the colleges and also it can be used in various firms and business-related industries.

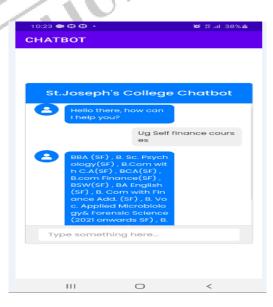
VI. RESULTS AND DISCUSSIONS

The proposed system was successfully tested to check its effectiveness and achievability. Chatbot reduces the paperwork, manpower and time for any individual. In this paper we had developed an application which will interact with users by means of reducing the time for visiting the college to enquire about the details/information regarding admissions, college activities etc. The user can chat with the chatbot by format. The user or the student and the Administrator are interacted through a chatbot. The questions which are not answered by the chatbot will be added and updated by the Admin.

6.1 List of output Screens







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VIII. CONCLUSION

The main objectives of the project were to develop an algorithm that will be identify the answers associated with user submitted queries. A database is developed to store all related data's and to develop an internet interface. The web interface developed had one parts, and that is for the administrator. A background research happened, including a summary of the conversation procedure and any relevant chat bots available. A database system was designed, that stores information regarding questions, answers, keywords, logs and feedback message.

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