College Enquiry Chatbot using Artificial Intelligence

Rajavi Mhatre[1]

[1]*Asst. Professor, Computer Science dept., SDSM College, Maharashtra, India*

Abstract - Chatbot permit guests to go into instructions and gain textual content and textual content- to- speech responses. Machines have the understanding to come apprehensive of rulings and make their particular choices in response to queries. When converse bot period is included with notorious internet services, it's far secure to use. Answers are given with the aid of using corresponding rulings entered with the aid of using the consumer. druggies can ask questions on council sports and occasions through converse bots, and may make inquiries without being fleshly on the council. The device responds as though a factual existent have been speak me to the consumer with an important graphical her consumer interface. Natural language processing strategies are used to tokenize, dissect, sludge, and rank content.

Key Words: Chatbot, Natural Language Processing, Machines.

1. INTRODUCTION

Develop a council exploration converse bot with artificial intelligence. converse bots answer a variety of questions and helps scholars stay up to date with council conditioning. The system is grounded on artificial algorithms that dissect stoner requests and understand stoner dispatches. It's a web operation that answers scholars' questions. The system is erected using artificial intelligence, and provides applicable responses to stoner queries. A stoner can ask her questions grounded on university related conditioning and events. druggies do not have to attend council directly. The system examines the question and provides the answer to the stoner. The system answers queries using an effective graphical stoner interface as if a real person were drooling with the stoner. scholars must be logged into the system. After logging in, scholars have access to the converse bot. scholars can ask questions grounded on artistic conditioning, leaves, etc. This allows scholars to gain information similar as university rankings, available services, the university terrain, updates on- lot conditioning, and other academic information. Pattern- grounded responses are presented to druggies to answer their queries. There are numerous operations aimed at stimulating mortal speech, including mortal appearance. This paper describes an approach to ideas that identify crucial data in textbooks describing the lives (including personalities) of literal numbers in order to make a conversational agent that can be used in middle academy CSCL scripts.

1.1 OBJECTIVES

Develop a database to store all relevant information regarding questions, answers, keywords, logs and feedback. Develop keyword matching and string distance comparison algorithms and combine them to get the best possible answer. Development of a web interface intended to give potential students and their families the opportunity to ask questions and receive compelling answers via chat bots.

1.2 LITERATURE REVIEW

The proposed system consists of three modules: Student, Guest User, and Admin. The Student module allows users to register and login to the system. He/she can enter the question. This means you can send questions to chat bots and chat bots while helping the user by replying her to this query. He/she can view results, receive her notifications about exams, and opt out of the system. The Guest module allows a user to directly make requests and login to the system without her registration. The admin module allows the user to log into her system. He/She can enter exam dates in the system so that students can receive notifications about exams and unenrolled from the system. Finally, he can add question data to the chat bot using a dialog flow. The purpose of this system is to help the student keep up to date with the activities of her college.

2. METHODOLOGY

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Figure 1: Activity Diagram

Figure 2: Activity Diagram (User)

3. ALOGRITHM

Support Vector Machine is a simple algorithm that every engineer should have. Most systems prefer support vector machines as they provide significant accuracy with minimal computing power. The Support Vector Machine (SVM for short) can be used for both the regression function and the classification function. However, it is often used for distribution. The goal of the support vector machine algorithm is to find a hyperplane in N-dimensional space (N - number of points) that uniquely separates the data points.

There are many possible hyperplanes by separating the two classes of data points. Our goal is to find the class with the largest margin, i.e. the furthest distance between the data points in the two classes. Maximizing the edge distance provides some gain so that future data points can be separated more easily. A hyperplane would be a two-dimensional plane. It becomes difficult to see when the number of features exceeds the support vectors, which are information points near the hyperplane that affect the position and orientation of the hyperplane. We use support vectors to maximize the edges of the distribution. Remove support vectors to change the position of the hyperplane. These are the items that help create SVM.
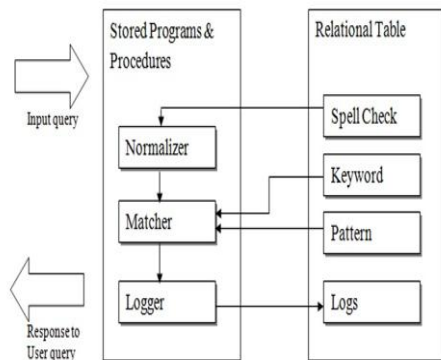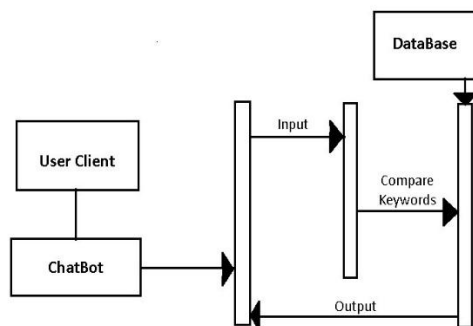
3.1 STEPS

Step 1: Get Started
Step 2: Get the user query. (INPUT)
Step 3: Process the query. Use preprocessing techniques to remove stop words such as "are", "that".
Step 4: Extract the remaining keywords from the query.
Step 5: Match the extracted keywords with keywords in the knowledge base and provide corresponding answers.
Step 6: Return the query response to the user as output.
Step 7: End

4. CONCLUSIONS

The proposed system is based on a natural language processing algorithm used to identify relevant answers to questions submitted by users. You must develop a database to store all relevant data and develop a user interface. The developed web interface consists of three parts. One for students, guest users and one for administrators. A database has been developed to store information about questions, answers, feedback, keywords, and logs.

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