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Reception Desk for Student Information Using AI Chatbot

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Abstract: This System is a which provides answer to the question of the student. Students just have to ask question through the bot which is used for chatting. The System uses built in artificial intelligence to answer the question. The User can ask any college related activities through the system. The system answers to the query as like a person. The system replies using an effective Graphical User Interface, as if a real person is talking to the user. The student has to register to the system and login to the system. After logging in the student has access to the various helping pages. The user can ask Question College related activities such as date and timing of annual day, sports day, and other cultural activities.

Keyword: Artificial Intelligence, Chatting, Chatbot, Graphical User Interface, Query.

I. INTRODUCTION

The reception desk for student information system will be built using artificial intelligence algorithms that will analyze user's queries and understand user's message. This system will be a desktop application which will provide answers to the queries of the students. Students will just have to select the category for the department queries and then ask the query to the bot that will be used for chatting. Artificial intelligence will be used to answer the students' queries. The student will get the appropriate answers to their queries. The answers will be give using the built in artificial intelligence algorithms. Chatbots, which are software agents with an artificial intelligence that allows them to understand the user input and provide a meaningful response according to pre-compiled knowledge. If a person is new in the college and want to information about college. He will face many difficulties. He have to ask many people to guide him to about college. Many of them will take advantage and mislead him as he is new. He will waste his time as well as more money as he will be misguided. In this project we are using Artificial Intelligence to make system which will help him/her to guide about the college.

II. BACKGROUND

A. Question-Answering

When questions such as "Who is the principal of college?" and "What is the time table of FE?" are posed to a question-answering system, the program should return the answers it finds in documents rather than just returning a link to a document that may contain the answer as search engines do.

B. Interactive Question-Answering

This systems turn the focus to the interaction between the student and the program, not just the question-answering. These systems allow either the student to drive the dialogue or the system to play a greater role by suggesting related materials or even refinements to a student's query.

III. METHOD

The reception desk for student project is built using artificial algorithms that analyzes user's queries and understand student's message. This System is a desktop application which provides answer to the question of the student. Students have to query through the bot which is used for chatting. The System uses built in artificial intelligence to answer the query. The answers are appropriate what the user queries. If the answer found to wrong to user just need to click the invalid answer button which will notify the admin about the wrong answer. Admin can view inappropriate answer through the system. admin can delete, update and view the invalid answer or to add a specific answer of that same question. The System analyzes the question and then answers to the user.

With the help of artificial intelligence, the system answers the query asked by the students. The system reply using an effective GUI which implies that as if a real person is talking to the user..

IV. FIGURES AND TABLES



Fig 1.1

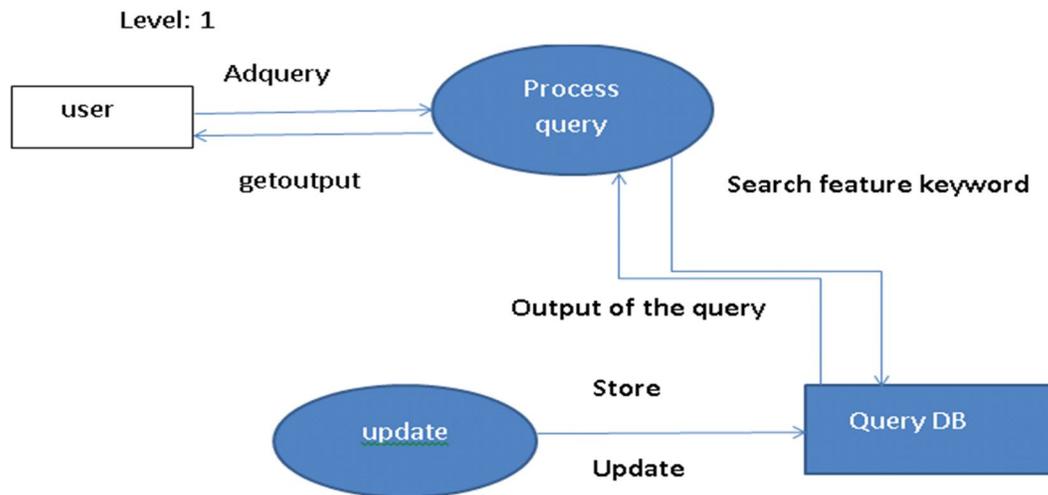


Fig 1.2

V. CONCLUSION

The main objective of the project is to develop an algorithm that 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. The web interface developed will have two parts, one for simple users and one for the administrator. A background research took place, which included an overview of the conversation procedure and any relevant chat bots available. 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 to the web server.

VI. FUTURE WORK

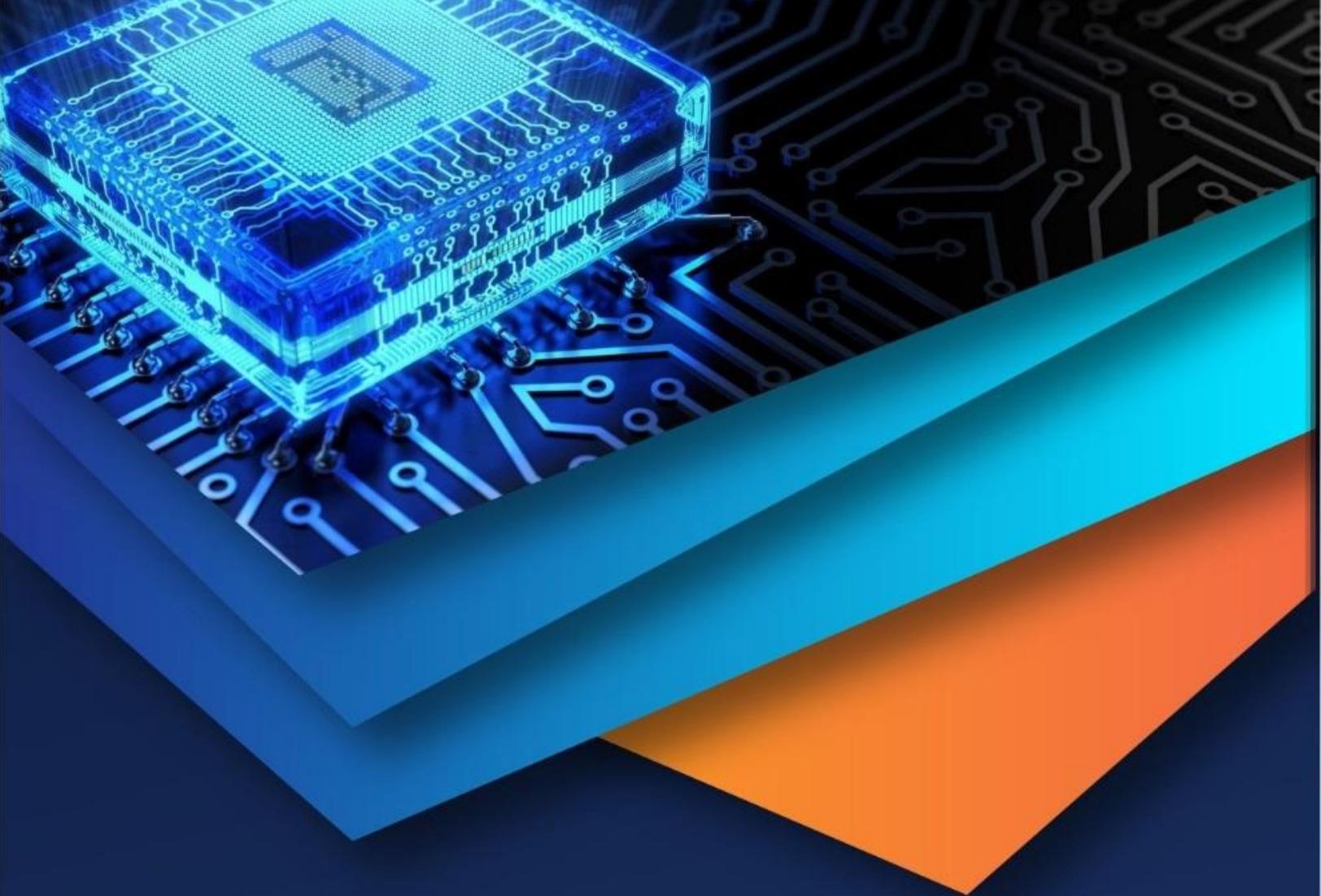
In the future scope of reception desk of student information using AI Chatbot project is we can involve voice based answer to the question. The student will have to give voice input and receive the voice output to the system. In future it can also give answering to the question in video form.

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A. Journal Papers

- [1] International Journal on Recent and Innovation Trends in Computing and Communication



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