Student Information Chat Bot System

ABSTRACT

User interfaces for software applications can come in a variety of formats, ranging from command-line, graphical, web application, and even voice. While the most popular user interfaces include graphical and web-based applications, occasionally the need arises for an alternative interface. Whether due to multi-threaded complexity, concurrent connectivity, or details surrounding execution of the service, a chat bot based interface may suit the need. Chat bots typically provide a text-based user interface, allowing the user to type commands and receive text as well as text to speech response. Chat bots are usually a stateful services, remembering previous commands (and perhaps even conversation) in order to provide functionality. When chat bot technology is integrated with popular web services it can be utilized securely by an even larger audience.

EXISTING SYSTEM

In the existing system, This System is a web application which provides answer to the query of the student effectively. Students can chat using only one format, as there is a specific format that the user has to follow. The answers are appropriate what the user queries. If the answer found to be invalid, user just need to select the invalid answer button which will notify the admin about the incorrect answer. Admin not delete invalid answers or not add any specific answer to that.

DRAWBACKS

➢ Performance is low.

PROPOSED SYSTEM

A Student Information Chat Bot project is built using artificial algorithms that analyzes user's queries and understand user's message. This System is a web application which provides answer to the query of the student very effectively. Students just have to query through the bot which is used for chatting. Students can chat using any format, as there is no specific format that the user has to follow. The System uses built in artificial intelligence to answer the query. The answers are appropriate what the user queries. If the answer found to be invalid, user just need to select the invalid answer button which will notify the admin about the incorrect answer. Admin can view invalid answer through portal via login System allows admin to delete the invalid answer or to add a specific answer of that equivalent question. The user does not have to personally go to the college for enquiry. The system analyzes the question and then answers to the user. The system replies using an effective Graphical user interface which implies that as if a real person is talking to the user. The user can query about the college related activities through online with the help of this web application. This system helps the student to be updated about the college activities.

ADVANTAGES

➢ User does not have to go personally to college office for the enquiry.
➢ This application enables the students to be updated with college cultural activities.
➢ This application saves time for the student as well as teaching and non teaching staffs.

Modules:

The system comprises of 3 modules as follows:

➢ Admin Login
➢ Bot Chat
➢ Text to Speech

System Requirements:

Software Components:

- Operating System   :   Windows 7 or higher
- Query Language   :   Sql 2008
- IDE   :   Visual studio 2010

Hardware Components:

- Processer   :   Pentium – III
- RAM   :   1GB
- Hard Disk   :   5GB
- Monitor
- Internet Connection