

Student Information Chatbot Project

ABSTRACT

A student information system (SIS), student management system, school administration software or student administration system is a management information system for education establishments to manage student data. Student information systems provide capabilities for registering students in courses, documenting grading, transcripts, results of student tests and other assessment scores, building student schedules, tracking student attendance, and managing many other student-related data needs in a school. A chatbot (also known as a talkbot, chatterbot, Bot, IM bot, interactive agent, or Artificial Conversational Entity) is a computer program which conducts a conversation via auditory or textual methods. Such programs are often designed to convincingly simulate how a human would behave as a conversational partner, thereby passing the Turing test.

EXISTING SYSTEM

In the existing system student chatbot project analyzes user's queries and understand user's message. Students can chat using specific format that specific format the user has to follow. The System uses built in normally to answer the query. The answers are appropriate what the user queries. If the answer found to invalid, user can't do anything. In this some problems are present those are solved in proposed system.

DRAWBACKS

- It requires active internet connection else error may occur.

PROPOSED SYSTEM

A Student chatbot 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. Students just have to query through the bot which is used for chatting. Students can chat using any format there is no specific format 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 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 can query any college related activities through the system. 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 answers to the query as if it is answered by the person. With the help of artificial intelligence, the system answers the query asked by the students. 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.

System Requirements

Software Components:

- Operating System : Windows 7 or higher
- Query Language : Microsoft SQL Server 2008

➤ IDE : Visual Studio 2010

Hardware Components:

➤ Processor : Pentium - III
➤ Hard Disk : 5 GB
➤ Memory : 1GB RAM
➤ Monitor