

LITERATURE SURVEY

AI based discourse for Banking Industry

TITLE: COLLEGE CHATBOT USING NATURAL LANGUAGE PROCESSING FOR STUDENT QUERIES

ABSTRACT:

Now-a-days students are facing many problems regarding the information of a college student details. There is no proper communication channel to know the required details of the students in a college. This paper focuses on the process of communication automation on web using computer programming. By using computer program a conversational agent is created which responds to the user statements called chat bot. It can take the input from user in many formats like text and speech. Using AIML (Artificial Intelligence Markup Language) and LSA (Latent Semantic Analysis) the relevant answer to the user query is generated. If the relevant answer to the user query is not found then the system will automatically ping to the admin.

TITLE: ONLINE CHATTING SYSTEM FOR COLLEGE ENQUIRY USING KNOWLEDGEABLE DATABASE

ABSTRACT:

A chatterbot or Chatbot aims to make a conversation between both human and machine. The machine has been embedded knowledge to identify the sentences and making a decision itself as response to answer a question. The response principle is matching the input sentence from user .The present technical project consist of developing an expert System for college enquiry desk using an android

based Chabot, through Artificial Intelligence technology and virtual assistance (Human-machine conversation),transmitting natural language to a server.

TITLE: CHATBOT FOR COLLEGE MANAGEMENT SYSTEM USING AI

ABSTRACT:

A chat-bots aims to make a conversation between both human and machine. The machine has been embedded knowledge to identify the sentences and making a decision itself as a response to answer a question. Chat-bots will be completely based on 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 stateful services, remembering previous commands in order to provide functionality. It can be utilized securely by an even larger audience when chat-bots technology is integrated with popular web services. The college inquiry chat-bots will be built using artificial algorithms that analyze user's queries and understand user's message. The response principle is matching the input sentence from a user. The User can ask the question any college-related activities through the chat-bot without physically available to the college for inquiry. The System analyses 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 replies using an effective Graphical User Interface as if a real person is talking to the user. The user just has to register himself to the system and has to login to the system. The chat-bots consists of core and interface that is accessing the core in (MySQL).Natural language processing technologies are used for parsing, tokenizing, stemming and filtering the content of the complaint.

TITLE: IMPLEMENTING A COLLEGE ENQUIRY CHATBOT

ABSTRACT:

This project is focusing on creating a chatbot to be used by students to get their queries responded easily from the college website. The College Enquiry Chatbot has the capacity to make friendly conversations; respond the course and faculty details; give the link for the academic calendar; answer the frequently asked questions; calculate the fees based on the student's input; and give the timings, address, contacts, and events information of the departments like Union, Library, IPGE, and AIRC. To build the chatbot, Microsoft Azure bot service as well as Microsoft cognitive services, namely, Text Analytics, LUIS, and QnA Maker are used. Although, sentimental analysis correctly recognizes the user's query as positive, negative and neutral, the system was partially successful in adding empathy to the chatbot. It is because the system requires more rigorous training data to handle all queries which are off-script. However, for such queries, active learning helps to improve the chatbot performance since it correctly understands the user's questions, asks clarifying question, and then retrains the system to give the response what the user intends to get.

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