COLLEGE INFORMATION SYSTEM CHATBOT (CIS-CHATBOT)

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ABSTRACT An Educational chatbot is software that is used to develop interaction between parents and students in a virtual world. Educational Chatbots chat with the parents and students in a discussion according to the input of a human and answer the parents and students. It makes the user think that it is chatting with a human being whereas they're chatting with the computer. The Educational chatbot application helps the students and parents to know about the college infrastructure, admission process, chairman, Vice- Chairman, principal, vice-principal, Dean, Placements, College photos, and Department Details from anywhere with or without an internet connection, and receive fast replies. This software will be developed for Windows OS using Pillow, Tkinter, and Selenium in Python Programming to provide fast replies for the students and parents.

Keywords: chatbot, windows, Pillow, Tkinter, Selenium, Python.

Introduction

In today's Digital World, almost all tasks are digitalized. We have Smartphones in our hands and it is nothing less than having the world at your fingertips. Chatbot is a computer program that humans will interact with in natural spoken language and includes artificial intelligence techniques such as NLP (Natural language processing) that makes the chatbot more interactive and more reliable. Educational chatbots are developed for virtual interaction between the user and the college. Users will get to know about the college without visiting.

There are two different chatbots are available in the digital world .

• Text based chatbot

• Voice Based chatbot

Text chatbot analyzes the inputted text and matches the text with predefined data called intents which are categorized to manage the conversation.

Voice chatbots can interact and understand the voice of the user using a set of api's that converts the recorded voice to the language and then convert the voice to words of that language and then deal with the transformed text.

This project becomes started out on the basis that there is a sufficient quantity of openly available records and data on the web that may be utilized to construct a virtual assistant that has to get entry to students and parents to interact with the university.

This Project Aims to:

• Save effort and time for both college staff and students who wish to enroll.

•   Provide detailed information about colleges and majors.

•   Easy access to information.

Related Work

I. LITERATURE SURVEY

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II. MODULES DESCRIPTION

• About college

CIS-chatbot delivers information about the Siddharth Institute of Engineering & Technology that includes college location, Establishment, Grade of the college, and Vision & Mission.

• About chairman

CIS- chatbot displays information about the chairman of the Siddharth Institute of Engineering & Technology this contains the chairman's personal and college-related achievements

•   College photos

CIS- chatbot displays information about photos of the Siddharth Institute of Engineering & Technology that shows college infrastructure, and facilities present inside the college.

•   Department Details

CIS- chatbot displays the information about the department of the Siddharth Institute of Engineering & Technology that shows the department name, the department, and the Head of the Department name.

•   Facilities of the college

CIS- chatbot displays information about photos of the Siddharth Institute of Engineering & Technology that shows about the Library, Transport, Canteen, Sports, ED Cell, and Anti-ragging that are available in the college.

•   Transportation

CIS- chatbot displays the information about transportation at the Siddharth Institute of Engineering & Technology that contains counts of the buses and what routes are available to come by the college for the students and faculty members of the college.

- **Auditorium**

CIS- chatbot displays information about the infrastructure of the auditorium in the Siddharth Institute of Engineering & Technology.

- **About Principal**

CIS- chatbot displays information about the principal of the Siddharth Institute of Engineering & Technology this contains the principal person and college-related achievements.
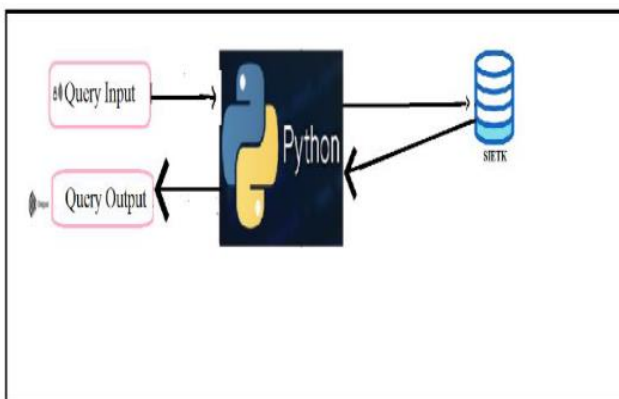
- **About Vice-Chairman**

CIS- chatbot displays the information about the Vice-Chairman of the Siddharth Institute of Engineering & Technology this contains the Vice- Chairman person and college-related achievements.

- **About Vice-Principal**

CIS- chatbot displays the information about the Vice-principal of the Siddharth Institute of Engineering & Technology this contains the Vice- principal person and college-related achievements.

III. ARCHITECTURE

CIS- Chatbot will work as request and respond type. User will enter a query in chatbot that query is processed by the python and gives response based on the query given by the user.

IV. CONCLUSION AND FUTURE ENHANCEMENT

This "COLLEGE INFORMATION SYSTEM CHATBOT" was built to respond to the inquiries of the Siddharth students regarding each of the college faculties and their specializations, with extracted information for each specialization, familiarizing students and parents with the level exams that students submit about their enrolment in the university, introducing the educational program and the mechanism for joining it.

Giving students notes on the electronic enrollment application package, and how to fill out the application. Introduce Siddharth students to the conditions and notes that must be taken into account in the event of joining Siddharth institute of engineering & technology and the mechanism for calculating grades of the college.

The CIS-chatbot application helps the students and parents to know about the college infrastructure, admission process, chairman, Vice- Chairman, principal, vice-principal, Dean, Placements, College photos, and Details from anywhere with or without internet connection and receive fast replies.

V. REFERENCES

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