

Survey on Intelligent System for College

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Abstract - Intelligent voice assistant are taking over numerous areas to improve the user's solace and improve the extent of the gadgets utilized. They are being actualized in gadgets running from mobiles to independent gadgets which simply house the aide to be incorporated with brilliant gadgets. This can be obviously observed with the exponential development with the effect it has had on society and consistently developing applications they can be utilized for. The venture displayed in this paper intends to coordinate one of the well known voice assistant to modernize the traditional strategies for a college framework. The intelligent gets the brief from the teacher, students, guests approving the beginning of the way toward finding the goal. This is trailed by the contribution from the students, teacher, guests for the data of college database present on a server. This aides in finding the actual information, reducing the time and exertion required by the user.

Key Words: Text to speech, Chatbot, Smart system, AI

1. INTRODUCTION

Virtual assistant is not easy to answer basic user questions. Further growth and integration of speech recognition improves learning algorithms for natural learning, Alexa performs undertakings given to it, with the assistance of its range of abilities, which comprises of a lot of aptitudes to respond upon each errand submitted to it. Every ability has its very own conjuring expression, which is utilized by Alexa, to delineate errand to that specific expertise. The ability proceeds to execute the undertaking dependent on its example expressions, by arriving at the endpoint on a server, which can be facilitated on Amazon Web Services (AWS) Lambda, or on a nearby server in the client's system.[2]

This undertaking abuses this specific part of Alexa, by making an ability, which when enacted, gets to a record based database of a participation record housed on a nearby server, which is facilitated on a Raspberry Pi. The getting to is done through a burrowing administration[3]. Ngrok helps by making a safe passage and giving a URL of the neighborhood server to the Alexa aptitude, so as to keep refreshing the database.

2. LITERATURE SURVEY AND EXISTING WORK

The thought proposed by Subhadeep Dey et al. [4] intends to utilize cell phones furnished with intuitive voice reaction frameworks to check the understudy's quality utilizing discourse biometry. The framework checks the speaker utilizing MFCC highlights and I-vector-based displaying.

The thought set forward by J. Dhaliya Sweetlin et al. [5] utilizes the staff's cell phones for the capacity and refreshing of the participation database. The application on the cell phone keeps up the database and gives review access to the instructors upon approval. The application contains a discourse recognizer which changes over the said discourse to content and procedures the participation.

3. METHODOLOGY

The project achieves the objective as follows:

- The guest, student, teacher ask questions related to the college information but in application login in initial stage then ask questions related to the college information.
- Login successfully then ask questions, if not recognized the question then please ask again.
- If recognized the question then check in server or searching/analyzing in the database.
- The all process is successful then answer/output to the guest, student, teacher.

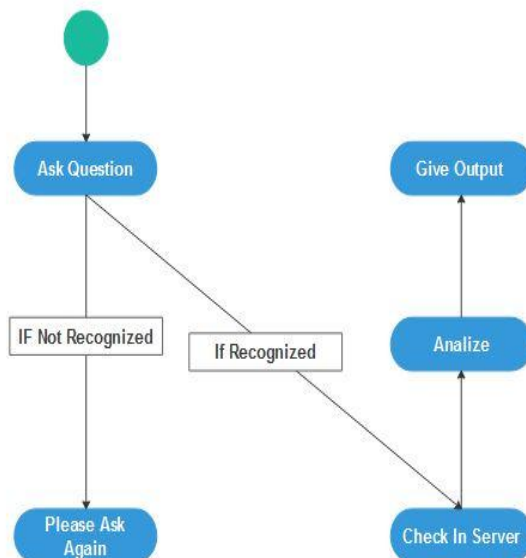


Fig: flow of the input and output process

4. PROPOSED SYSTEM

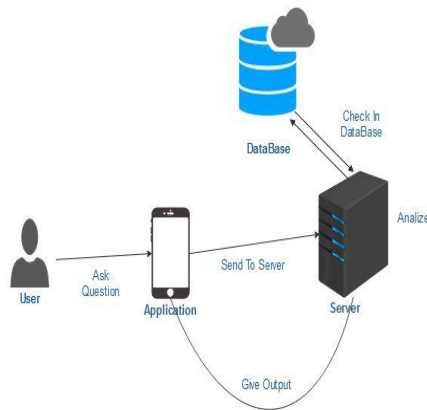


Fig: Architecture of proposed system

5. CONCLUSION

In this system is giving a new trend to the educational system , It will be very beneficial for the unknown guest/ user enter in the campus, he/she can asked FAQ to our smart system , and as we uses AI in our system , Our system will automatically give specifics answers to the user.

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