CHATBOT SYSTEM FOR COLLEGE MANAGEMENT

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Abstract - ChatBot can be described as software that can chat with people using artificial intelligence. These software are used to perform tasks such as quickly responding to users, Informing them, helping to purchase products and providing better service to customers. In this paper, we present the general working principle and the basic concepts of artificial intelligence based chatbots and related concepts as well as their applications in various sectors such as telecommunication, banking, health, customer call centers and e-commerce. Additionally, the results of an example Chabot for donation service developed for telecommunication service

Provider are presented using the proposed architecture. We are using it for educational purpose to solve the quires of users. Chatbots are programs that mimic human conversation using Artificial Intelligence (AI). It is designed to be the ultimate virtual assistant, entertainment purpose,

Helping one to complete tasks ranging from answering questions, getting driving directions, turning up the thermostat in smart home, to playing one's favorite tunes etc.

*Key Words***: *Text to speech, Chat bot, FAQ, AI.*

INTRODUCTION

A chatbot needs a purpose, and if we consider that if this purpose is to be helpful, it also needs to gain trust from the users. There is no need to ask a chatbot for help if you don't trust the information it gives you. With this in mind we consider the first question to be a bit too ambiguous and large for us to investigate in this course. We have therefore used this question as a guideline for what we can actually manage to explore in this course and what we can find on the existing literature in this field. Trust is an important factor for reliance on and implementation of technology (Lee & See, 2004). In relationships trust means being reliable, having confidence in the other person both physically and emotionally (Lewicki & Bunker, 1995). So one can say that trust will also play a role in the interplay between human and machine. The problem with systems taking control is that it's often hard for people to rely upon it appropriately.

This is the way that our chatting bot supports discussions We have experimented with the chatting bot in discussions in a chat tool. Experimental results showed that questions posted by the chatting bot were understandable and reasonable. The number of topics also became higher because discussion participants answered the questions. We verified that the chatting

bot supported the discussions to be activated. The current hatting bot has some drawbacks in its questioning method. Some of the questions were not answered carefully though the discussion participants answered the questions. Why did the discussion participants answer the questions carefully? Because the chatting bot posted only questions. Therefore, the chatting bot was not recognized as a member of a discussion. Discussion participants may not like a person who only ask something. Generally, in discussions, discussion participants ask something, answer something, give topics, and listen to others'. If there is a person who only ask something, the person may be avoided from discussions. It means that the person are not recognized as a member of a discussion. We need to a method for the chatting bot to be recognized as a member of a discussion.

1. METHODOLOGIES OF PROBLEM SOLVING

- Problem Solving Methods are concerned with efficient realization of functionality. This is an important characteristics of Problem Solving Methods and should be deal with it explicitly.
- Problem Solving Methods achieve this efficiency by making assumptions about resources provided by their context (such as domain knowledge) and by assumptions about the precise definition of the task. It is important to make these assumptions explicit as it give the reason about Problem Solving Methods.
- The process of constructing Problem Solving Methods is assumption based. During this process assumptions are added that facilitate efficient operationalization of the desired functionality.

2. DRAWBACKS OF EXISTING SYSTEM

- **Less User Friendly:** The existing system is not user friendly because the retrieval of day-to-day activities data/records is very slow and records are not maintained efficiently and effectively.

- **Lengthy time:** Every work is done manually so we cannot generate report in the middle of the session or as per the requirement because it is very time consuming.
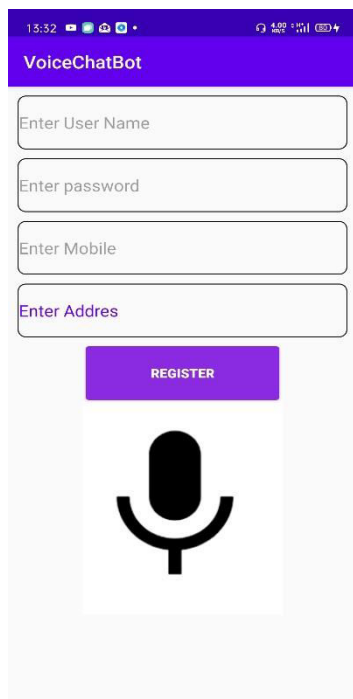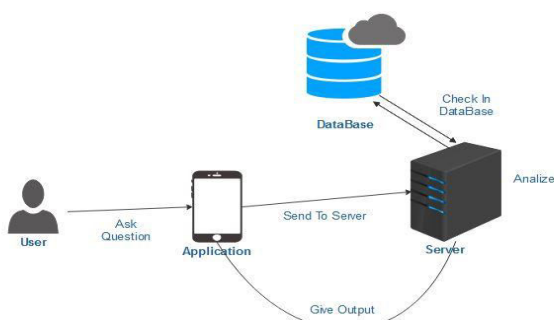
3. SYSTEM ARCHITECTURE

Fig -1: System Architecture Diagram

We are making a smart system, in which two way communication will take place, our system will be made with the help of Android, and AI technology. We are making a android application that allows user to asked FAQ about the campus and our system will answer automatically based on its knowledge. Database will be used by us for storing the data of user, we are using firebase /cloud as database for our system, and our system is innovation and will be beneficial for the particular organization, home or office.

4. RESULTS
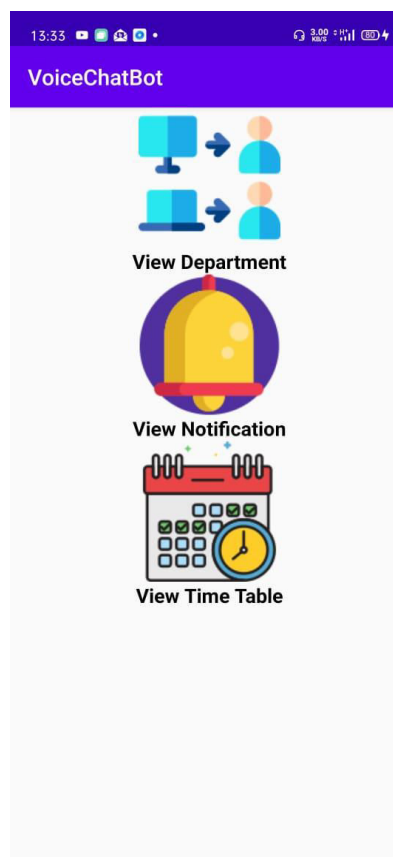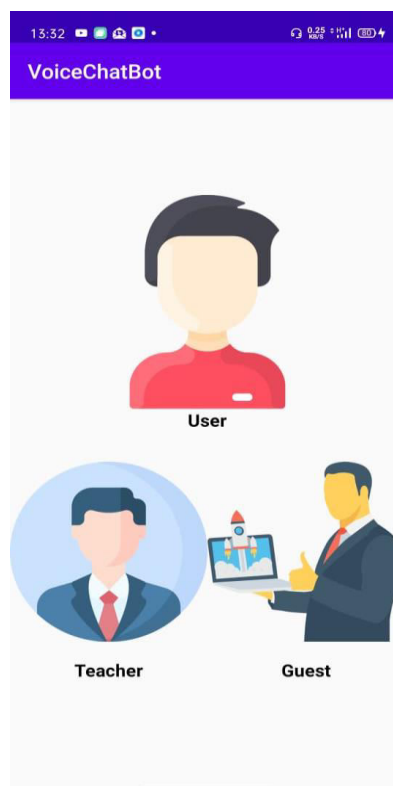
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4. CONCLUSION

Hence our 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.