International Journal of Scientific Research in Engineering and Management (IJSREM)
Volume: 07 Issue: 11 | November - 2023 SJIF Rating: 8.176 ISSN: 2582-3930

Personal Trainer Using Chat GPT API in Android Application

1st Dr. Sunanda Khandait , 2nd Rajesh Choukhe, 3rd Rahul Sharma, 4th Ganesh Madale, 5th Harshit Turkar, 6th Janhavi Fulzele, 7th Riya Chawke

Department of Information Technology
Karmaveer Dadasaheb Kannamwar College of Engineering Nagpur, India
1st sunanda.khandait@kdkce.edu.in , 2nd rajeshchoukhe6@gmail.com, 3rd rahulsharma.rs2509@gmail.com,
4th ganeshmadale818@gmail.com , 5th harshturkar99@gmail.com
6th janhavifulzele92@gmail.com, 7th riyachawke2002@gmail.com

***Abstract*—**A chatbot is a software that is used to develop interaction between a user/human and a computer/system in a natural language like human chats. Chatbots chat with the client in a discussion according to the input of a human and answer to the client. It makes the user think that it is chatting with a human being where as they're chatting with the computer. The chat bot application helps the student to know about the admission process of the college from anywhere with internet connection and receive fast replies. This chatbot system reduces the work of admission process department by providing the required information to the students or parents and also reduces the workload of the department to keep on answering all the queries of the students.

Keywords— Chatbot, Answer agent, Machine Learning, Intelligent, Natural Language Processing, Artificial Intelligence.

I. INTRODUCTION

A chatbot is a computer software that helps in developing a conversation with the user in a natural way. The continuous development of Information Technology and communication has made artificial intelligence more complex. Artificial Intelligence systems are using human activities such as taking a decision at a particular moment, performing day to day tasks, replying to the users quickly and solving the queries in the same way as the humans would do. There are numerous electronic organizations like Ebusiness, Entertainment, Virtual assistance and some more. Everything in this generation is getting related with the web. It's extremely efficient to utilize approach to manage benefit everything at your doorstep. The chatbots are sufficient to fool the users in believing that they're talking to a human being, they've a very limited knowledge base at runtime and have no means to keep track of all the conversations. Chatbots uses machine learning to reach AI for helping them to understand the user queries/doubts and provide the user with an appropriate response. They are developed using the Artificial Intelligence Markup Language for communicating or interacting with the user. Chatbots are often known as answering engines. This applicatio0n work in a very simple way because the knowledge is already programmed in advance. Few methods used in the application are pattern-matching, natural language processing and data mining. Chatbot matches the input sentence from the user with the that of the existed pattern in the knowledge base. Each pattern taken is compared with the knowledge of chatbot and this knowledge has been taken from various sources.

II. LITERATURE REVIEW

There are many applications that are consolidating a human appearance and are trying to reproduce human exchange, but in majority of cases the information used for conversation in bot are put in the database created by a human specialist. By using AI, we can develop we can develop different types of chatbots, in this paper we have developed a College Enquiry chatbot. It has variety of fields like Enquiry process, Fees structure, Course details, Eligibility criteria description and Admission. This paper depicts a way in which we can deal with recognizing the most critical realities in writings depicting the life of an authentic figure for building a conversation operator that could be utilized as a part of center school CSCL situations. CSCL is implemented online and in classroom learning environments, it takes place synchronously and asynchronously. The study of CSCL learning includes academic disciplines, including instructional technology, educational psychology, sociology, cognitive psychology and social psychology. Benton and Radziwill (2017) described a chatbot as the medium of interacting with humans online, where as they're actually interacting with a computer software, put to reality by natural language input. Others define it as a computer program which imitates conversation with users, applying artificial intelligence. Scholar (2004) explains that chatbot is a software that permits textual communication using natural language. It is difficult of the users to accept that it's not a real human, which in turn further highlights the critical importance for a large knowledge base that is the existing set of rules a chatbot has. (Scharl,2004). Chatbots will soon become one of the best ways for organizations to get in touch with the individual users and solve their queries quickly. (Moore 2017). Furthermore, key development concerning the growth of messaging services and the advances in Artificial Intelligence have largely attributed to the recent interest in chatbots.(Guzman&Pathania,2016) Chatbots are living in task individual applications and duplicating a conversation with a human to enlightening, conversational or esteem based.

III. METHODOLOGY USED IN EXISTING SYSTEMS

Many of the existing systems follows methodology as shown below:

The present Methodology provides an entry-level knowledge about the chatbot technologies and how they could be used in adult education, with a focus on online and blended learning environments. This way, we want to equip educators and training professionals with general theoretical knowledge about the specifics of applying such digital tools in the educational process and how to incorporate them into classrooms.

The Methodology consists of three parts. The first one is dedicated to the basic terms and definitions, purposes and fields of use of chatbot technologies. The second part is focused on chatbot-based learning and how to incorporate chatbot technologies into the educational process and for self-learning. The last part includes links to additional resources and references on the topic.

Although some authors distinguish 'chatbots' and 'bots', as the first ones are based on text-message interaction with users, while latter might include voice or even video-based communication and inclusion of artificial intelligence, for the purposes of the present Methodology, we will use these two terms as interchangeable.

is not clear enough for the OCR, continue applying super resolution until the content is recognized. The recognized text is then stored in a database for further use.

IV. FUTURE SCOPE

Although some figures show that 87% of consumers still prefer interacting with a human than a chatbot, if given a choice13, the use of chatbot technologies have increased in the past years. Thus, nowadays 25% of people say that they are open to talking to a human or a chatbot, as long as it leads them to their desired outcome14 . This is even more typical for newer generations, and especially for Gen Y and Z, who grow up with digital devices in their hands and are entirely open to technologies and virtual assistants.

Among the benefits, which chatbots could bring, are:

They are available 24/7 and are not irritated by repetitive or tedious questions. This way, they improve customer experiences and brand loyalty.

They save costs by significantly reducing customer response times.

They increase customer satisfaction scores by 24 %15 .

They could free humans from simple tasks and allow them to focus on more complicated problems.

They allow to collect and deal with big amounts of data and to process it in user-friendly formats, thus helping to better understanding clients and users, as well as their needs.

They better respond to the expectations of today's learners for personalised approach, micro-learning and constant access to on-the-spot and hands-on information and learning content.

With the increasing amounts of time we spend online, change in our habits and getting used to ecommerce and e-learning, as well as the coming Internet-of-things and Internet-of-goods, the future of chatbots looks bright. Thus, any investment in the chatbot technology will likely generate a greater return on investment and an increase in user involvement and retention

V. CONCLUSION

The main objective of this chatbot was to develop an algorithm which will identify the user questions or queries and answer according. To develop a database were all the related data is stored and matched with the questions when question is raised. We successfully developed a chatbot in which the student or parents can ask a query related to the Enquiry process, course details, eligibility criteria description and Admission. The chatbot analyses the question and gives the response accordingly.

VI. REFERENCE

[1] Kumar Shivam; Khan Saud; Manav Sharma; Saurav Vashishth; Sheetal Patil , "Chatbot for College Website" in International Journal of Computing and Technology, June 2018.
[2] Ms.Ch.Lavanya Susanna and R. Pratyusha, "COLLEGE ENQUIRY CHATBOT" in International Research Journal of Engineering and Technology (IRJET) on 3rd March 2020.
[3] DR.C.K.Gomathy , V.Geetha , S.Madhumitha , S.Sangeetha , R.Vishnupriya Article: A Secure With Efficient Data Transaction In Cloud Service Using Chatbot, Published by International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) Volume 5 Issue 4, March 2016, ISSN: 2278 – 1323.
[4] Dr.C K Gomathy, V Geetha , T.Jayanthi, M.Bhargavi, P.Sai Haritha Article: A Medical Information Security Using Chatbot For Wireless Sensor Networks, International Journal Of Contemporary Research In Computer Science And Technology (Ijcrcst) E-Issn: 2395-5325 Volume3, Issue 4, P.No-1-5,April '2017

[5] Dr. S. Rajalakshmi, "A software quality metric performance of professional management in service oriented architecture using Chatbot, Second International Conference on Current Trends in Engineering and Technology - ICCTET 2014, 2014, pp. 41-47, doi: 10.1109/ICCTET.2014.6966260