

REVIEW OF A.I CONSULTANT PARTNER

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Abstract - A Consultant partner bot who chats with you when you are confused. The bot is built with an artificial intelligence algorithm. It chats with you as a real person with amusing replies which doesn't make the user know he is really talking to a bot. The bot is built with a limited dictionary but uses a great algorithm to imitate a real person. The bot can be used to find you an amusing partner and help you in bad times. If the users, ask the question to the bot it will give suggestion based on that question. The answers are appropriate to the user's queries, if the user find his answer to be invalid, he will give default message and will notify to admin. The AI desktop partner comes with a real-life person imitation (RLPI) System designed for putting forward a real time intelligent chatting session for users. The algorithm used here has a intelligently built in logic and is designed to better chat with users.

Keywords: Chatbot, Education, Consultancy, Interactive system, Future Studies.

1. INTRODUCTION

Chatbots are a big step forward in enhancing human computer interactions. Some of the most notable applications of Chatbot are as financial advisors, providing free legal aid, personalized stylist, and providing personal services, offering preliminary medical advice, and many more. It is very user-friendly approach to avail everything to doorstep. There are different types of customer service available like live chat support service, phone(telephone) services. But for all such support services provided by human to human takes time to answer customers query. As the number of clients increases the waiting time increases as well, which results in poor client satisfaction.

One of the important goals in the field of Human Computer Interaction is the outline of normal and instinctive connection modalities. Specifically, numerous endeavours have been committed to the improvement of frameworks to communicate with the client in a characteristic language. Computer based Chatbot's are getting to be distinctly famous as an intuitive and successful open framework between human and machines. Chatbot is a manufactured substance that is intended to reproduce a clever discussion with human accomplices through their regular language. Chatbots help to improve customer relations as well as drastically reduce human efforts.

Most Chatbot basically search for keywords, phrases, and examples that have been customized into their databases, yet some utilize more propelled strategies. In this paper the need for Chatbot in consultancy domain is highlighted and designed to provide visitor satisfaction.

2. LITERATURE SURVEY

Aditya Deshpande, Alisha Shahane, Darshana Gadre, Mrunmayi Deshpande et.al [1] paper presents on survey of various chatbot implementation techniques. The research is based on the survey of various chatbot and it is shown that how the various chatbot differs from each other's. To make chatbot the various technology has been used to make. A chatbot can be considered as a question-answer system where experts provide knowledge for solicitation of users. A chatbot is a software designed to simulate a conversation with human partner. This survey paper aims to present an overview of an existing approaches of implementing a chatbot system. In this paper it as compares various chatbot from the first chatbot ELIZA to one of the latest chatbot like ALEXA, not only this is as shown various chatbots like IBM Watson, Siri, Tay, etc. It tells us about how it is implemented and how they actually work.

The design and implementation of several chatbots are developed a detailed survey of those systems. Mukesh Kumar, Sayali Hulawale, Sahil Pandita et.al [2] paper presents on college management Chatbot. The college inquiry chat-bots will be built using artificial algorithms that analyse user's queries and understand user's message. The User can ask the question any college-related activities through the chat-bot without physically available to the college for inquiry. The System analysis the question and then answer it to the user. The user can ask any question related to college he asks about annual day, college fees, faculty details, sports day, etc. It helps the student to be updated what is happening in the college. In this the Chatbot usually remember the previous command in order to provide the functionality. So, whatever the user ask it will remember for it, it will help the Chatbot and it can analysis it for future references. If the Chatbot couldn't answer the query asked by the user, then the admin will answer to that question. And that question along with answer is stored in database so that whenever such questions will be asked so that they get answered directly from the database. Due to this admin doesn't need to answer same question manually anymore. 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.

Bhavika R. Ranoliya, Nidhi Raghuvanshi and Sanjay Singh et.al [3] paper presents on chatbot for university. This chatbot can be used by any University to answer FAQs to curious students in an interactive fashion. AIML and LSA is used for creating chatbots. AIML is Artificial Intelligence Mark-up Language (AIML) and Latent Semantic Analysis (LSA) are used for developing Chatbot's, which are used to define general queries. Chatbot for educational sector, where user (a student or parents) can ask query regarding college admission, about college information and other things related to academics. Chatbot is implemented to meet the academic needs of the visitors. The Chatbot is based on AIML language for Manipal University. This will help the student to fetch information like ranking of university, availability of services, university environment, updates regarding activities happening inside campus and many more and other academic information.

Rashmi S and Kannan Balakrishnan et.al [4] paper presents on to find the missing information in inquiry provided by the user. Sometimes the user will ask the query not in a proper way so that the A.I chat bot will not find the proper answer for that, it will give answer based on the keyword what the user had given or it will not answer the question. It will test the queries to gather the information that are required to answer the question. It will predict the missing data from the query so that the Chatbot should understand and reply it properly. First it will identify the missing data then it will do a querying same to provide accurate response. D. Aimless and S. Umatani illustrated the usage of AIML tags that will describe the functionality and features of each tags associated to build AIML based Chatbot.

3. AVAILABLE TECHNOLOGY

Chatbots are program that interact with humans using natural language. Chatbots are used in many organizational domains where it can replace humans. However, the widest application of chatbots is in the field of e-commerce for automating customer service. Chatbots help to improve customer relations as well as drastically reduce human efforts. Here are some existing systems:

ELIZA is the primary chatbot created by Joseph Weizenbaum utilizing a keyword coordinating strategy. The thought was to persuade the client info and look for certain keywords, if a catchphrase was discovered then the appropriate response was recovered. In the event that a catchphrase is not present then ELIZA would proceed, as per indicated principles, to get more data from the client to keep the discussion going.

Jabberwocky is one of the earliest attempts at designing an AI through human interaction. It was mainly a form of entertainment. It aimed to move from a text-based system to wholly voice operated system.

ALICE is developed by Richard Wallace in 1995. It utilizes design coordinating and stores the data in Artificial Intelligence Mark-up Language records. An AIML record is like a XML document that is created to store design information for chatbots. Code 2 gives a case of a discussion between a human and ALICE.

Watson, built by IBM is a question answering (QA) computing system designed to apply advanced natural language processing, information retrieval, knowledge representation, automated reasoning, and machine learning technologies to the field of open domain question answering.

Alexa is a voice service inhabiting the Amazon Echo device. Alexa uses natural language processing algorithms for voice interaction. She uses these algorithms to receive, recognize and respond to voice commands

4. CONCLUSION AND FUTURE WORKS

In this paper we present a review on an AI consultancy Chatbot which can be used by students to know about the courses available in India for their future studies. This application solves the problem of many students who are thinking about their professional degrees.

Instead of asking someone about what they should do next they can directly use this application to decide their future by knowing what they like to do more than listening to what others want them to do. Every student can get to know about a platform to build their talents and interests.

Even parents can use this to help their child to know their future based on their child's interest. In future this computer application can be transformed to a iOS/mobile application, so it will be easily available to access to everyone in addition voice recognition feature can be included for ease of access.

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