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**MICRO PROJECT REPORT**

**FITHEALTH BOT**

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**ABSTRACT:**

Health care is on, of the vital spheres of human life, which is badly falling behind technological progress. Many industries such as food, e-commerce etc. are very effortless to access but why is healthcare not one of them? We live in an era where we get food delivered within a few minutes but cannot get medical assistance within a similar amount of time. So, we have attempted to figure out this problem by introducing chatbots into healthcare industry. It’s crucial to understand that health bots are not a substitute for a doctor. They are just there to assist with some primary health necessities for an individual. So, the fundamental of this health bot is that it analyses the user’s health condition and provides solution either by recommending associated diets or any workouts. The user can ask personal queries related health with the chatbot without being physically available. This will help the user to reduce their healthcare cost. This python coded chat bot uses telegram as interface to talk with user. The user will enter the problem, and the solution is displayed. The primary aim of the project is to provide health care assistance to everyone without any cost and available 24/7.

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**OBJECTIVES:**

The objectives are aligned with the overarching goal of providing users with a powerful and user-friendly interface to interact with the health bot and ask their personal queries.

* Provides medical assistance.
* Available 24/7.
* Provide basic solution.
* Provide best diet.
* Reduces customer time.

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**INTRODUCTION:**

A health bot is a virtual assistor, a python coded software program designed to understand and respond to the health problems of the users/patients. This technology or software enables the user to reduce their time and effort in searching the remedies for their health problem online. This software program takes the health problem as it’s input and analyses the problem from its database and provide the solution required to treat the problem in 2 ways exercise & diet. This will be available in telegram app as “**FITHEALTH BOT”** from where the users can access this bot and use according to their problem.

**EXISTING SYSTEM:**

* **Youper** – a health bot which monitors the emotional health of the user and gives proper meditation.
* **OneRemission** -this a health care website that is meant only for cancer patients and provide diet and exercises.
* There are health care systems with their own distinct features and capabilities on the market in addition to Babylon health ,Florence, healthily and ada health.

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**PROPOSED SYSTEM IMPLEMENTATION:**

Our proposed system aims to enhance the user experience of ChatGPT, a powerful text-based language model, by integrating a voice assistant component.

* Voice Assistant for ChatGPT enables users to interact with the language model through spoken commands and queries, creating a more intuitive and natural conversational experience.

Key Features:

* Voice Input: Users can speak their queries or commands instead of typing, allowing for hands-free and effortless interactions with ChatGPT.
* Voice Output: ChatGPT's responses are converted into speech, enabling the voice assistant to provide spoken responses to users' queries and conversations.
* Contextual Understanding: The voice assistant leverages advanced natural language processing techniques to understand the context of the conversation and provide more accurate and relevant responses.
* We are adding up a new feature which does not exist in previous systems,

that is giving the own voice for the assistant which enables the user to be more interactive.

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**RESULT AND DISCUSSION:**

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**CONCLUSION :**

Health care chatbots have made the users life easier by implementing computer -user interactions in soving the problems of the users

Voice virtual assistants have revolutionized human-computer interaction by providing an intuitive and convenient way to interact with technology. With their ability to understand natural language, perform tasks, and retrieve information, VVAs have become indispensable tools in various domains. As technology continues to advance, voice virtual assistants will undoubtedly play an even more prominent role in our daily lives, making our interactions with technology more seamless, efficient, and personalized.

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**ADVANTAGES :**

* Hands-free operation: Voice assistants enable hands-free operation, allowing users to interact with devices and applications without the need for physical input.
* Convenience: With voice assistants, users can perform tasks quickly and conveniently by simply speaking commands or requests.
* Natural interaction: Voice assistants strive to understand and respond to natural language, making the interaction more intuitive and human-like.
* Accessibility: Voice assistants improve accessibility for individuals with disabilities or those with limited mobility.
* Personalization: Voice assistants can learn from user preferences, behavior, and patterns over time.

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**APPLICATIONS :**

Voice virtual assistants have a wide range of applications across various domains. Here are some common applications of voice virtual assistants:

* Smart Speakers: Voice assistants like Amazon Alexa, Google Assistant, and Apple Siri are integrated into smart speakers, allowing users to play music, control smart home devices, set reminders, ask questions, and perform various tasks using voice commands.
* Automotive Systems: Voice assistants are integrated into car infotainment systems, enabling hands-free operation while driving.
* Customer Support: Many companies use voice virtual assistants to provide automated customer support.
* Productivity and Organization: Voice assistants help users with productivity and organization tasks.
* Healthcare and Wellness: Voice assistants are increasingly being used in healthcare and wellness applications.

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