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AI HealthCare Chat Bot System

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Abstract -

Through chatbots one can communicate with text or voice interface and get reply through artificial intelligence. Typically, a chat bot will communicate with a real person Chatbots are programs built to automatically engage with received messages. Chatbots can be programmed to respond the same way each time, to respond differently to messages containing certain keywords and even to use machine learning to adapt their responses to fit the situation. This healthcare chatbot system will help hospitals to provide healthcare support online 24 x 7, it answers deep as well as general questions. It also helps to generate leads and automatically delivers the information of leads to sales.

***Key Words*:** Chat Bot , healthcare, artificial, intelligence.

1. INTRODUCTION

The usage of Chatbot is user friendly and can be used by any person. A medical chatbot provides personalized diagnoses based on symptoms. In the future, the bot's symptom recognition and diagnosis performance could be greatly improved by adding support for more medical features, such as location, duration, and intensity of symptoms, and more detailed symptom description. the future era is the era of messaging app because people going to spend more time in messaging app than any other apps

2. LITERATURE SERVEY

Title of paper	Author Name	Year	inference
Healthcare chatbot using machine learning	Vasuda Phaltankar, Vishal Sharma	2022	Complex and unsustainable new healthcare chatbot, using machine learning.
AI HealthCare Bot	Jahnvi Kadam, Sakshi Mane	2022	Provide medical assistance to patients with some common diseases by processing the query entered by the user. As per the data entered by the user the AI Healthcare Bot processes the

			and generates suitable response and displays it.
The potential of artificial intelligence in healthcare	Thomas Davenport, Ravi Kalakota	June 2019.	The The complexity and rise of data in healthcare means that artificial intelligence (AI) will increasingly be applied within the field. Several types of AI are already being employed by payers and providers of care, and life sciences companies. The key categories of application
			Involve diagnosis and treatment recommendation.
Artificial Intelligence in HealthCare Transforming practice of Medicine	Aditya Nori, Usman Munir Junaid Bajwa, BryanWilliam.	July 2021	Artificial Intelligence Is a powerful and disruptive area of computer science, with the potential to fundamentally transform the practice of medicine and the delivery of healthcare.

3. BLOCK DIAGRAM

The An AI Healthcare Chatbot utilizes natural language processing and machine learning algorithms to interact with users, offering medical advice, symptom assessment, and health-related information. It leverages vast medical databases to provide accurate responses. Initially sser enters the query through the interface, that query is further processed and based on the keywords.

After processing the query, a suitable response is generated and displayed to the user.

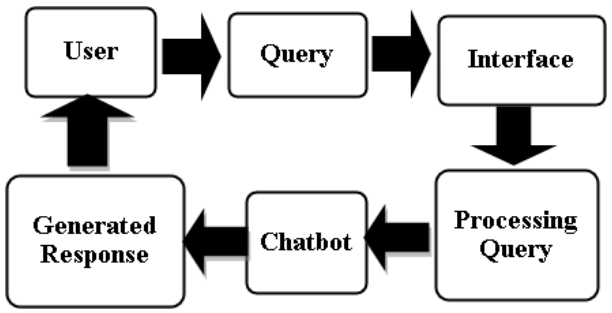

Fig -1: Figure

4. SEQUENCE DIAGRAM

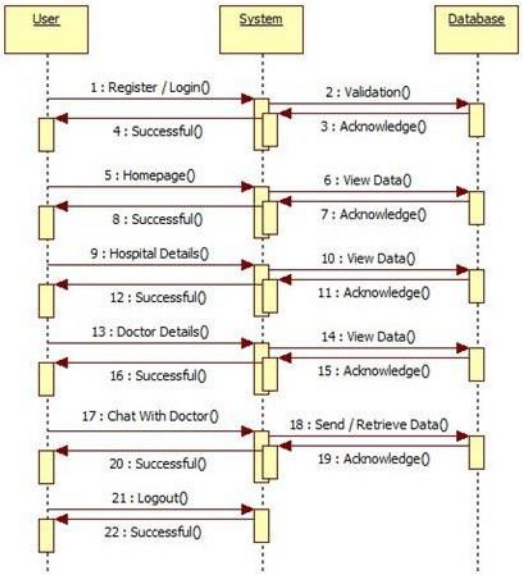

Fig -2: Figure

5. CONCLUSION

The AI Healthcare Chatbot project has demonstrated promising outcomes in enhancing healthcare accessibility and efficiency. Through its intuitive interface and intelligent algorithms, it has effectively provided users with personalized medical assistance and information, improving patient engagement and satisfaction. Overall , the AI Healthcare Chatbot has showcased significant potential in revolutionizing healthcare delivery ,streamlining processes, and augmenting patient care experiences.

6. REFERENCES

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