

Team details

TEAM NAME: KnightCoders



RAVI GUPTA (TEAM LEADER)

College: Guru Ghasidas Vishwavidyalaya

Stream: CSE

Year of graduation: 2024



SURYAM KUMAR

College: Guru Ghasidas Vishwavidyalaya

Stream: IT

Year of graduation: 2024



YATINDRA DEO

College: Guru Ghasidas Vishwavidyalaya

Stream: CSE

Year of graduation: 2024

Describe the problem statement (200 words)

In our contemporary, high-speed society, **obtaining reliable healthcare encounters numerous obstacles**. Patients frequently face protracted waiting periods, geographical limitations, and insufficient awareness of their own well-being. Consequently, countless individuals grapple with ineffective health monitoring, which often culminates in delayed detection of potential health problems. These challenges underscore the urgent requirement for a solution that can bridge the chasm between patients and healthcare providers while simultaneously fostering proactive health management.

To address these issues, the integration of advanced telehealth and digital health technologies has emerged as a beacon of hope. Telehealth enables patients to consult healthcare professionals remotely, breaking down geographical barriers and reducing waiting times. Moreover, it empowers individuals with real-time access to their health data, facilitating better self-monitoring and early intervention.

Furthermore, the advent of wearable health devices and mobile health applications has revolutionized personal health management. These tools empower individuals to proactively track their vital signs, physical activity, and other health metrics, facilitating early detection and prevention of health issues.

In conclusion, the contemporary healthcare landscape is evolving to cater to the fast-paced world we live in. The amalgamation of telehealth, digital health technologies, and wearable devices is ushering in a new era of accessible and **proactive healthcare, helping individuals overcome barriers and take charge of their well-being**.

Proposed solution / your big Idea (200 words)

Our cutting-edge platform is poised to revolutionize healthcare by forging an effortless **link between patients and healthcare providers**. Users can easily register, input their medical history, and tap into the power of an **AI-driven chatbot** for ongoing health surveillance. This innovative chatbot doesn't just offer routine health updates; it acts as a vigilant guardian, promptly raising red flags if it detects symptoms suggestive of underlying medical conditions.

However, our platform doesn't stop at mere identification. It takes proactive steps by offering a curated list of specialized physicians for immediate consultation. This ensures timely intervention and the delivery of personalized healthcare services.

In essence, our platform signifies a transformative shift in healthcare. By seamlessly integrating advanced technology with individualized care, we are striving to democratize access to healthcare, eliminate delays, and empower individuals to proactively manage their health. This represents a significant step forward toward a future where healthcare is not only more accessible but also more proactive and **patient-centric**.

Expected technology to be used: Natural Language Processing, Artificial Intelligence, Machine Learning, Mobile App Development, Cloud Computing, Secure Communication, Big Data etc.

Describe TECHNOLOGY USED : Example - Natural Language Processing, Machine Learning, any other...

How does your innovation accelerate change with the power of Technology? (200 words)

Our pioneering platform is set to transform healthcare by fostering seamless connectivity between patients and healthcare professionals. Users can easily sign up, input their medical history, and leverage an AI-driven chatbot for continuous health tracking. This chatbot offers more than just daily health updates; it serves as a vigilant guardian, promptly flagging any signs of potential diseases.

What sets our platform apart is its proactive approach. It not only identifies health issues but also takes immediate action by recommending a roster of specialized doctors for swift consultation. This ensures that users receive timely intervention and tailored medical attention, reducing the chances of health problems escalating.

In summary, our innovative solution brings healthcare into the digital age, offering users a comprehensive and proactive approach to health management. By seamlessly integrating cutting-edge technology with personalized care, we aim to democratize healthcare access, mitigate delays, and empower individuals to take control of their well-being, marking a significant stride toward a future where healthcare is more accessible and patient-centric.

AI and Machine Learning: AI algorithms analyze user health data to provide personalized recommendations and early disease detection.

Big Data: We process vast amounts of health data to generate meaningful insights and predictions.

Cloud Computing: Data storage and accessibility are ensured through secure cloud infrastructure.

Mobile App Development: Our user-friendly mobile app connects users to the platform on the go.

Secure Communication: We employ encryption and secure protocols to protect user-doctor interactions.

How is your solution different/unique from other solutions in market (150 words)

What distinguishes our platform is its **all-encompassing approach to healthcare**. In contrast to existing solutions, we provide a holistic ecosystem that amalgamates user data, **AI-driven insights**, and an extensive network of specialized medical professionals. Our AI chatbot serves as a virtual health companion, offering daily assistance and timely alerts for proactive health management.

One of our standout features is the transparency in doctor registrations and verification. We empower users with the ability to make well-informed decisions regarding their healthcare providers, ensuring trust and confidence in the medical professionals they choose. This transparency fosters a sense of control over one's healthcare journey, a feature often lacking in traditional healthcare systems.

In essence, our platform revolutionizes healthcare by combining data-driven AI capabilities with a user-centric approach. It empowers individuals to take charge of their well-being, offers timely interventions, and promotes trust through transparency, marking a significant leap toward a more accessible, efficient, and **patient-centered healthcare experience**.

- **PATENT FILED:** No

Do you have a working model/prototype: No

If not, will you be able to show working prototype during finale. Yes

Any testimonials received?

DEPARTMENT OF INFORMATION TECHNOLOGY



SCHOOL OF STUDIES (ENGINEERING & TECHNOLOGY)
GURU GHASIDAS VISHWAVIDYALAYA
BILASPUR (C.G.), INDIA

TESTIMONIAL FOR “MediBot 360” Idea

The Idea proposal put forth by Yatindra Deo, Suryam Kumar, Ravi Gupta and Kishan Kumar is well-crafted and addresses a crucial gap in the field of Medical Health care which aware several people to their regular check-up and cure to the same. The methodology is sound, and I believe this work has the potential to significantly advance our understanding in this area."

Dr. Rajesh Mahule

(Asst. Professor)

Guru Ghasidas University (A Central University)


Signature

Share the links/photos of the testimonials you've received

Thank you!