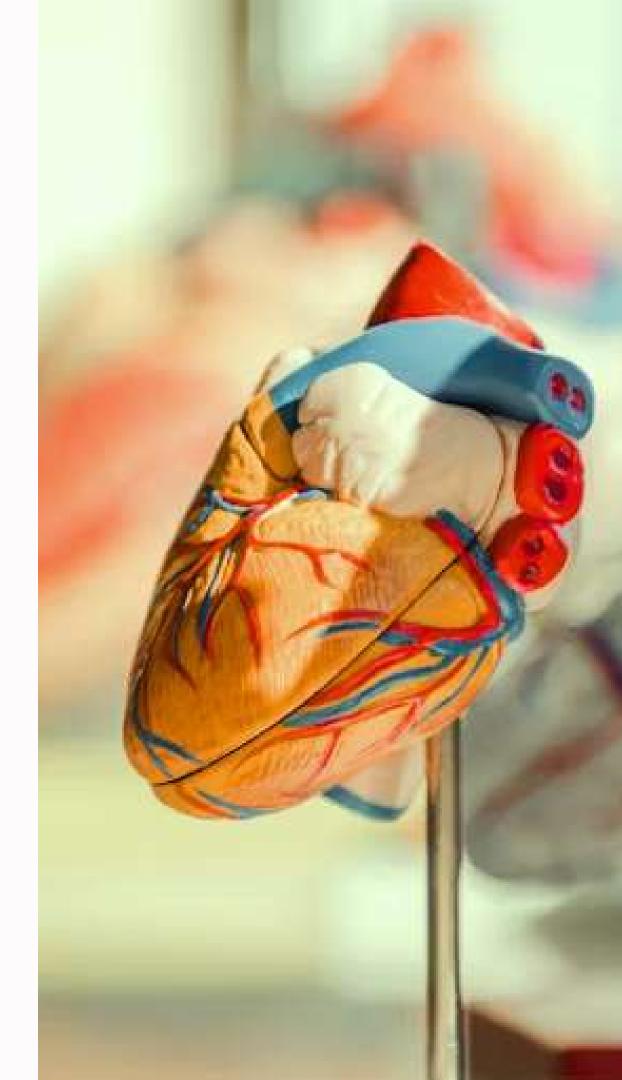


Project Proposal

AI-ENHANCED HEALTHCARE DIAGNOSTICS AND MANAGEMENT SYSTEM



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Overview

Medicine as a field is complex, every patient has 1000 of variables, data and a brand-new unique universe of possibilities.

01



An average doctor spends much less time with a patient than required

Most patients do not visit a hospital due to the hassle of Records, and lack of time.



02

03



We want to remove these hurdles for both the doctors and the patients.

We want to smoothen the medical processes with a very conscious use of tech and AI at places







Nature of product

The application caters the patients by providing them facilities like:

- 1. Medical Records upload and management.
- 2. Doctor's list management
- 3. Medical record-based **auto-extracted Vitals** like BMI, Blood Sugar Level, etc.
- 4.24*7 Medically trained Chat System which not only solves their problems but also updates the user's medical knowledge base with each conversation.

And caters to doctors by providing facilities like:

- 1. Auto-generated summary of patient's medical history.
- 2. Provides the doctor with a **huge knowledge base** about the patient to **bounce back ideas and diagnoses**.
- 3. Patient management and addition using a unique one-time token..

Benefits of such platform

Our main Aim is to:

- We are providing doctors an assistant with a perfect memory, so they don't miss anything while ideation and bounce back ideas.
- Also providing patients the ability to get help when required.

Thus, leading to faster and more accurate diagnosis which saves time and resources for doctors, hospitals and patients.

Statistical Analysis

Burden on Doctors:

- WHO recommends 1 doctor per 1000 people, India has 1 per 1456
- A doctor checks **50-80 patients per day** on average, each with different conditions, history, symptoms, etc.
- According to a study published in the Indian Journal of Psychiatry, **around 45% of doctors in India face burnout**, characterized by emotional exhaustion, depersonalization, and reduced personal accomplishment. This **impacts their ability to provide optimal care**.
- A study in BMJ Quality & Safety suggests that diagnostic errors affect an estimated 12 million adults in the U.S. each year, with a significant portion leading to severe outcomes.

For the patient:

- In India, over 70% of the population lives in rural areas, but **80% of doctors practice in urban areas**. Rural patients often travel long distances to access healthcare, delaying treatment.
- India faces a **high burden of chronic diseases like diabetes**, **hypertension**, **and cardiovascular diseases**, affecting over 60% of the population. Early detection and continuous monitoring are key to managing these conditions effectively.
- Misdiagnosis and delayed diagnosis can lead to unnecessary tests and treatments, increasing healthcare costs. A study suggested that diagnostic errors in the U.S. result in \$100 billion in wasted spending annually.

Target Audience

Hospitals

Doctors

Patients



Streamline diagnostics and manage patient records efficiently to enhance hospital operations.



Improve diagnostic accuracy and patient management with our AI tool.



Get accurate diagnoses and personalized treatment with our AI-driven app, ensuring your medical history is always up-to-date and accessible to your doctor

TECH STACK

Web Application:























Diagnosis AI and Medical Chat system:





LANGCHAIN

CREWAI





GEMINI

Business Plan





Unique Selling Proposition (USP)

"India's growing healthcare needs require innovative solutions. Our AI app addresses high patient loads and diagnostic challenges, targeting hospitals and doctors with advanced technology for better care."

"Our AI-powered tool offers real-time diagnostic support and comprehensive patient records, setting us apart with enhanced accuracy and efficiency for healthcare providers."



Marketing and Outreach

Partner with hospitals and doctors to improve patient care. Leverage our app's unique features to streamline diagnostics and record management, making a significant impact on healthcare delivery.

THANK YOU

