

Project Design Phase
Proposed Solution Template

Date	17 June 2025
Team ID	LTVIP2025TMID31732
Project Name	HealthAI
Maximum Marks	2 Marks

Proposed Solution – HealthAI

S.No	Parameter	Description
1	Problem Statement (Problem to be solved)	Lack of accessible, intelligent, and personalized digital healthcare tools for preliminary diagnosis, basic treatment planning, and health data analysis — especially for people in remote areas or without immediate access to doctors.
2	Idea / Solution Description	HealthAI is a web-based intelligent healthcare assistant that uses LLMs (IBM Granite via Hugging Face) integrated into a Streamlit interface. It answers health queries, predicts diseases based on symptoms, generates treatment plans, and analyzes uploaded health data.
3	Novelty / Uniqueness	Combines multiple healthcare utilities (chat, prediction, treatment, and analytics) into a single AI-powered tool. Lightweight, easy to use, and uses real-time LLM inference from a trusted provider (IBM Granite) — not just static rule-based logic.
4	Social Impact / Customer Satisfaction	Empowers individuals with limited medical access to make informed decisions, reducing misinformation from online search engines. Supports preventive care and health awareness. Offers peace of mind with 24/7 access to trusted AI insights.
5	Business Model (Revenue Model)	Freemium model: Free basic use with limitations on queries and CSV uploads. Premium version offers extended features (e.g., unlimited queries, health history dashboard, multilingual support). Can also partner with clinics for a B2B license.

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| 6 | Scalability of the Solution | Highly scalable as a web app. Can be extended to include multilingual support, EMR integration, offline inference with lighter models, mobile app version, and voice-based interaction. Cloud-based architecture enables scaling across regions. |
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