🧠 Manas+ – AI-Powered Voice Companion for Mind & Body

📌 Overview

Manas+ is a voice-first AI assistant that supports both **mental** and **basic physical health** check-ins.
Users can speak freely in their **local language**, and the system will identify whether the concern is emotional or physical, then respond with helpful suggestions — all without needing the user to read, type, or navigate menus.

🚨 Problem Statement

- Rural and underserved populations in India face **poor access** to both mental health support and basic first-aid guidance.
- There is **stigma around emotional issues**, and people often **don't know** how to express symptoms.
- Most health tech apps are **text-heavy, English-only, and smartphone-dependent** — making them inaccessible to Bharat.

💡 Solution Summary

Manas+ acts like a **friendly AI health companion**, detecting:

- 🧠 **Emotional health issues** like stress, sadness, or anxiety.
- 🩺 **Basic physical symptoms** like headache, stomach pain, or fever.

It works by:

- Listening to the user in **any Indian language**.
- Detecting intent: **Mental / Physical / Unclear**.
- Responding with:
    - Calming tips, journaling, breathing exercises (for mental).
    - Basic home remedies or OTC advice (for physical).
    - Referrals to doctors if needed.
- All responses are **safe, respectful, and accessible**.

🧠 Key Features

- 🎙️ Voice-first interface — works on mobile, web, or WhatsApp.
- 🗣️ Multilingual input support (Hindi, Bengali, Tamil, etc.).
- 🧭 Dual AI logic: mental & physical health classifier.
- 💬 Smart feedback: audio guides, tips, or medicine suggestions.
- 🚫 Safety filters to avoid over-medication or dangerous advice.
- 📝 Optional: mood tracker, symptom log, and export options.

⚙️ System Architecture (Hackathon Version)

Module	Tech Used
🎙️ Voice Input	OpenAI Whisper / Google STT / Bhashini
🧠 Emotion Analysis	TextBlob / VADER / OpenSMILE
🩺 Symptom Classification	Rule-based symptom matching (10–20)
🔁 Intent Detection	LLM Prompt or Rule Logic
📝 Response Engine	Static JSON + LLM-enhanced
🌐 Interface	React / Flutter (Frontend)
🧱 Optional	Firebase / Local JSON storage

🗓️ Hackathon Build Scope (3 Days)

✅ What to Build:

- Voice input capture + speech-to-text.
- Simple intent classifier: is it mental or physical?
- Emotion analysis OR symptom match (via rules or keywords).
- Friendly response UI: “Here’s what you can do…”
- Bonus: mood history, safety warnings, IVR option (optional).

🎯 Demo Flow Example

➤ Case 1: Mental Health

User says:
"I've been feeling very low and tired for a week."
App:
"You may be emotionally overwhelmed. Try a breathing session or soothing audio."

➤ Case 2: Physical Health

User says:
"My stomach hurts since yesterday."
App:
"This may be indigestion. Try ORS and rest. If pain persists, consult a doctor."

➤ Case 3: Unclear

User says:
"I don't feel right, something's off."
App:
"Couldn't fully understand. Can you say more clearly or try again?"

🔒 Safety Considerations

- Only suggest medicine for basic issues (fever, headache, indigestion).
- Add disclaimer: *"This is not medical advice. Consult a doctor if serious."*
- Never handle emergencies or diagnose chronic/serious conditions.
- Keep all responses gentle and non-alarming.

🏆 Why Manas+ Can Win the Hackathon

Feature	Impact
🧠 Dual Health Logic	Covers emotional + physical care needs

Feature	Impact
🗣️ Voice + Vernacular	Perfect for rural, low-literacy users
🔬 AI + Rule Hybrid	Shows deep tech AND practical impact
🎯 Code for Bharat Focus	Solves real Bharat problems elegantly
🚀 Scalable Design	Can grow into IVR, NGO, or government use

🪙 Pitch Tagline

“Manas+ listens to your voice — and helps you care for your mind and body, even when no one else is around.”