MANN MITRA

Connect Reflect Renew

MANN MITRA

A Generative AI–Powered Health Tech Solution for Student Wellness & Productivity.

GenAI Hackathon–Lucknow

Mann Mitra is an innovative health tech companion leveraging Generative AI to empower student mental well-being and academic productivity. It offers personalized online and offline tools to address mental health challenges and enhance success.

Team – Mindsparks

- Nitin Singh (Team Leader)
- Prastuti Srivastava
- Shivam Mishra

The Challenge: Students in Crisis

Rising Mental Health Crisis
Student stress, anxiety, and burnout have reached alarming levels, with inadequate support systems.

Accessibility Gap
Rural and low-connectivity students lack access to premium mental health apps and professional support.

Stigma Barrier
Fear of judgment prevents students from seeking help through traditional, public-facing channels.

Fragmented Solutions
No single platform combines AI-powered support with offline functionality for truly universal access.

Meet Mann Mitra: Your Personal Wellness Companion

Always There. Always Accessible.

Mann Mitra is an empathetic AI companion designed specifically for students. Chat with an intelligent mentor who understands your challenges, track your emotional and academic progress, and access wellness tools anytime—even without internet.

Manage stress, stay focused, grow stronger—together.

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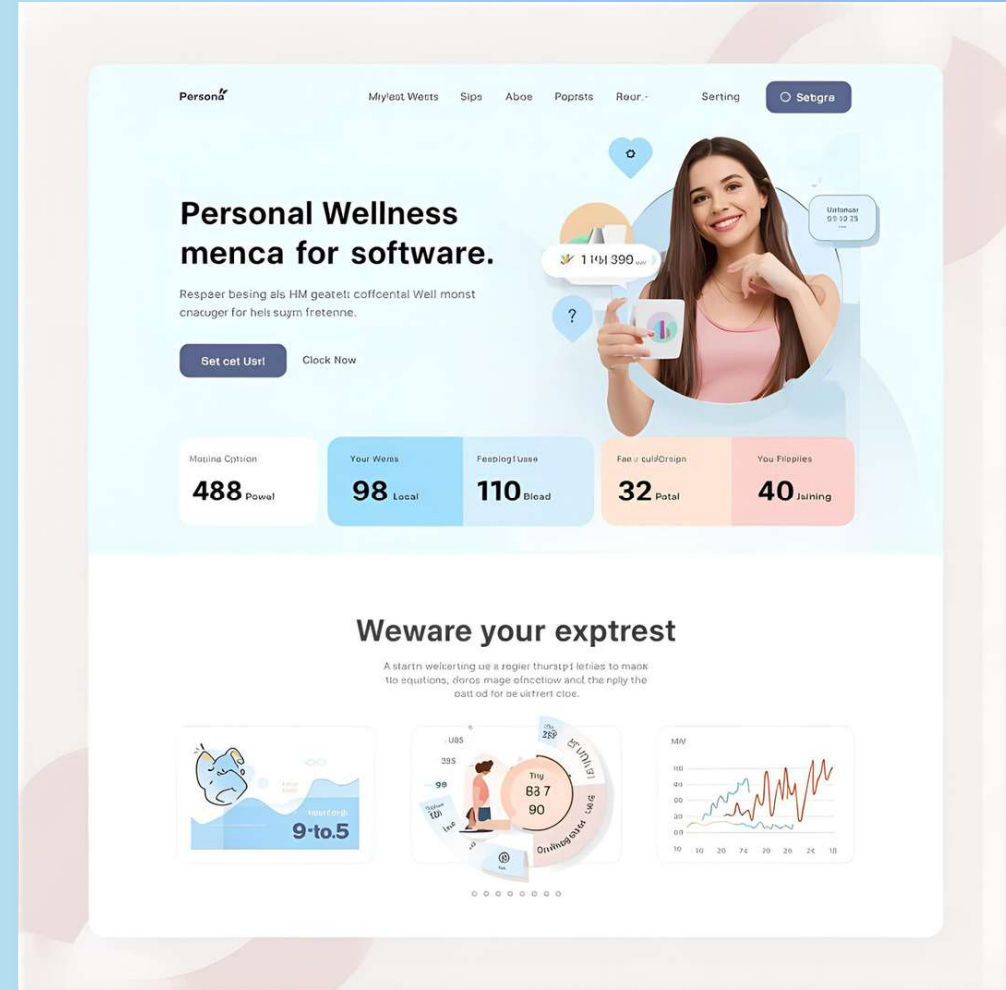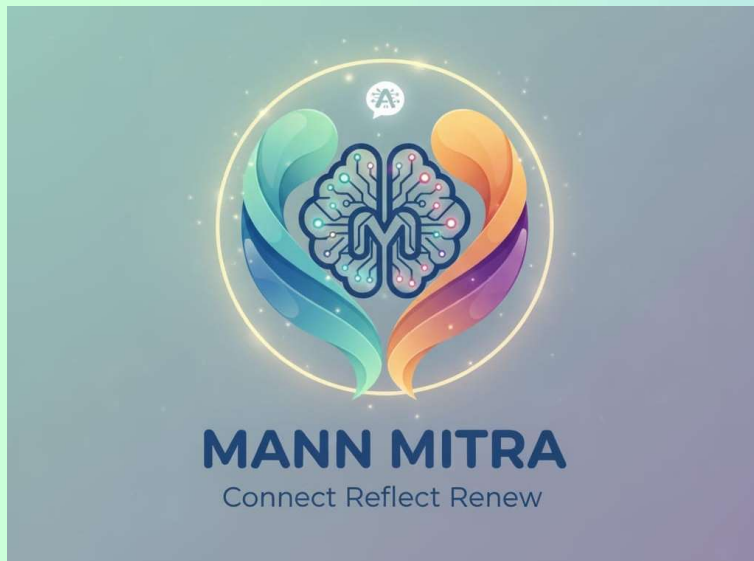
Dual–Powered: AI + Offline Excellence

Smart Mood Analyzer
Intelligent emotion detection from daily reflections

Conversational Mentor
Empathetic AI support in English & Hindi

Habit Tracker
Study and wellness monitoring—works offline

Guided Meditation
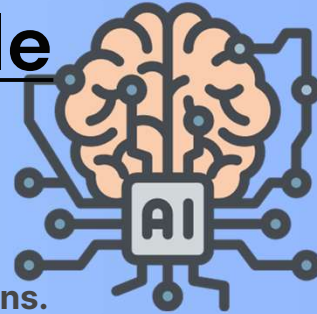Meditation, breathing, and focus tools preloaded

Create Affirmations
Good Affirmations

Multilingual Support
Native AI conversations in multiple languages

Generative AI Magic: Personalization at Scale

Guided Meditation
Transforms your mood logs into meaningful reflections and insights about your emotional patterns.

Affirmation
Creates personalized affirmations and focus strategies tailored to your unique challenges and goals.

Context-Aware Chat
AI learns your communication style, emotional tone, and preferences from every conversation.

Adaptive Plans
Generates customized study schedules and wellness goals that evolve with your needs.

Emotional Translation
Ensures multilingual support preserves nuance and empathy across languages.

Offline–First Design: No Student Left Behind

Works Anywhere. Syncs Everywhere.

○**Guided Exercises — Breathing and focus activities built-in**

○**Wellness Articles — Tips and guidance in Hindi & English**

○**Study Tracking — Monitor habits offline, visualize progress later**

TECHNICAL APPROACH

Layer	Technology	Why It Works
Frontend	Streamlit / FlutterFlow	Rapid UI without coding complexity
Backend	Ollama API	Authentication, database, hosting in one platform
AI Engine	OpenAI / Gemini API	Generative power without training models
Mood Detection	Ollama3.8 API	Lightweight inference via API calls
Security	HTTPS	Enterprise-grade protection built-in

Zero heavy model training. All APIs cloud-based. Local caching handles offline scenarios seamlessly.

Our ChatBot Offer these Features

Students start with personalized login or instant offline access via guest mode.

Choose Your Path
Select AI Chat for support or wellness tools.

Log Your Mood
Share how you're feeling — receive AI reflections or local wellness tips instantly.

Get Your Plan
Receive a personalized 3-day micro-plan for studying and emotional wellness.

Track & Grow
Monitor daily progress with visual charts showing emotional and academic trends.

User

Chatbot Interaction

Feedback

Emotion Analyser

Progress Tracker

ADVICE

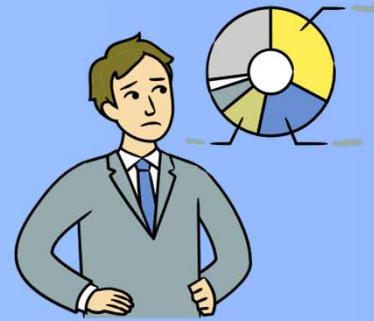Recommendation
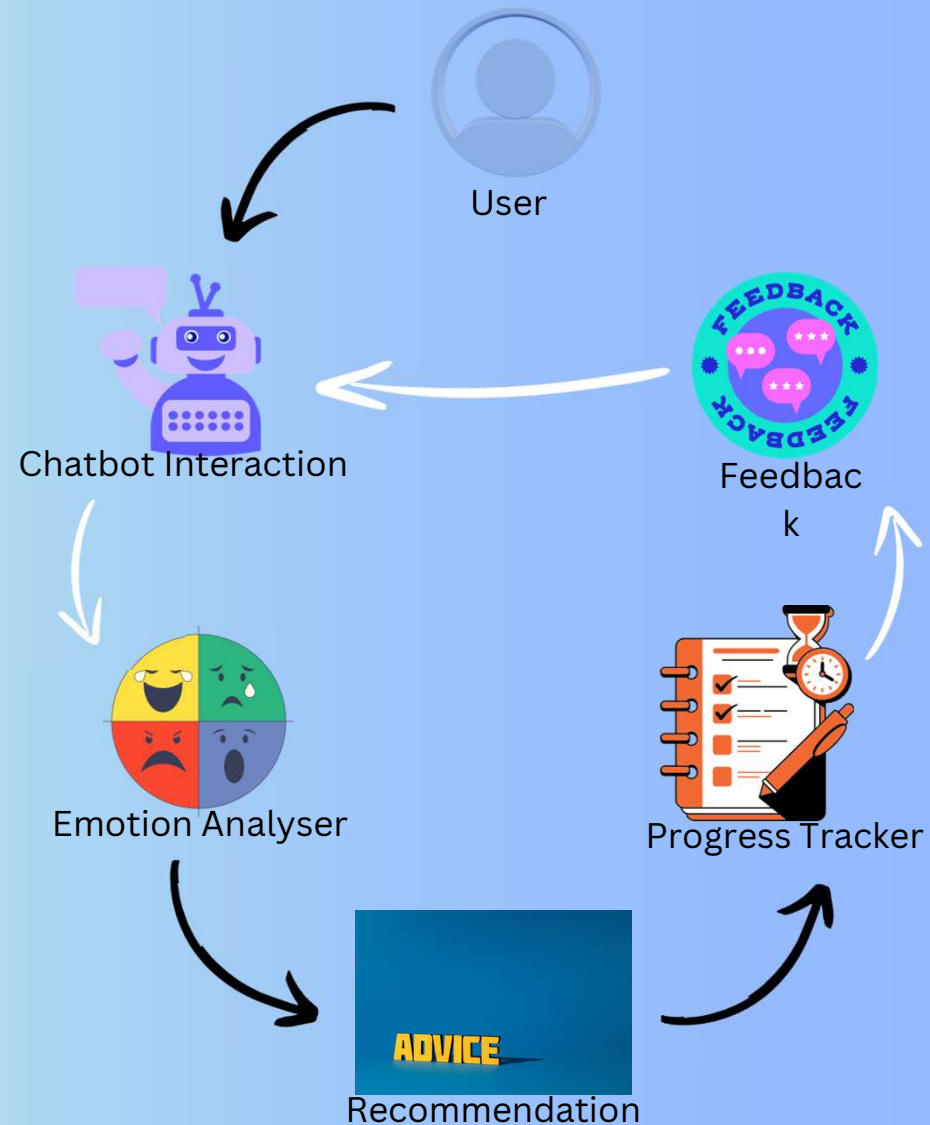
FEASIBILITY AND VIABILITY

TECHNICAL FEASIBILITY ⚙️

• The AI model will track students' performance on the basis of attendance, self-reported study time, and questionnaire results.

• NLP model reliability will be enhanced by outsourcing data from validated educational

Psychological databases 🧠

• Collaboration with external companies will be required for enriched datasets.

• Data handling will follow strict privacy & ethical compliance standards.

Viability 📈

• Short-term: MVP with attendance-tracking, study-time reporting, and questionnaire AI-integration
can be built in 3–4 months.

• Long-term: Expand across universities with advanced AI-driven personalization, adaptive learning recommendations, and multilingual support.

• Sustainable through free access for students and subsidized institutional licensing.
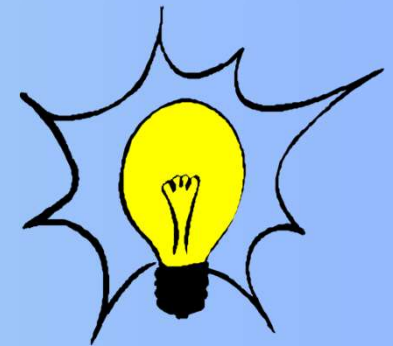
FUTURE SCOPE

🤖 **1. Smarter AI & Personalization**

○ Add voice and multilingual chat for regional accessibility.
○ AI adapts tone based on user's mood patterns for emotional support.

☁️ **2. Cloud Insights & Institutional Use**

○ Develop a dashboard for universities to track anonymized wellness trends.
○ Enable secure data sync and counselor collaboration.

📱 **3. Expansion & Integration**

○ Launch mobile app version for offline journaling and meditation.
○ Connect with fitness bands and LMS platforms for holistic tracking.

🌍 **4. Social Impact**

○ Partner with mental health NGOs & researchers for large-scale outreach.
○ Promote student well-being awareness campaigns nationwide.

Mann Mitra will grow into a full emotional wellness ecosystem- personalized, preventive, and accessible for every student.