

Solution Challenge



Team Details

- a. Team name: The Code Bandits
- b. Team leader name: Anuj
- c. Problem Statement: Youth are suffering from mental health issues in today's scenario and are not able to confront their problem to their friends and family . So by creating a platform that will help them to know about there mental health and should have a community support along with various resources and activities.

Brief about your solution :

A digital platform designed to provide accessible, personalized, and mental health support to individuals. It combines technology, community, and professional resources to empower users to manage their mental health effectively. The platform is user-friendly, secure, and scalable, making it suitable for individuals, communities, and organizations.

Opportunities

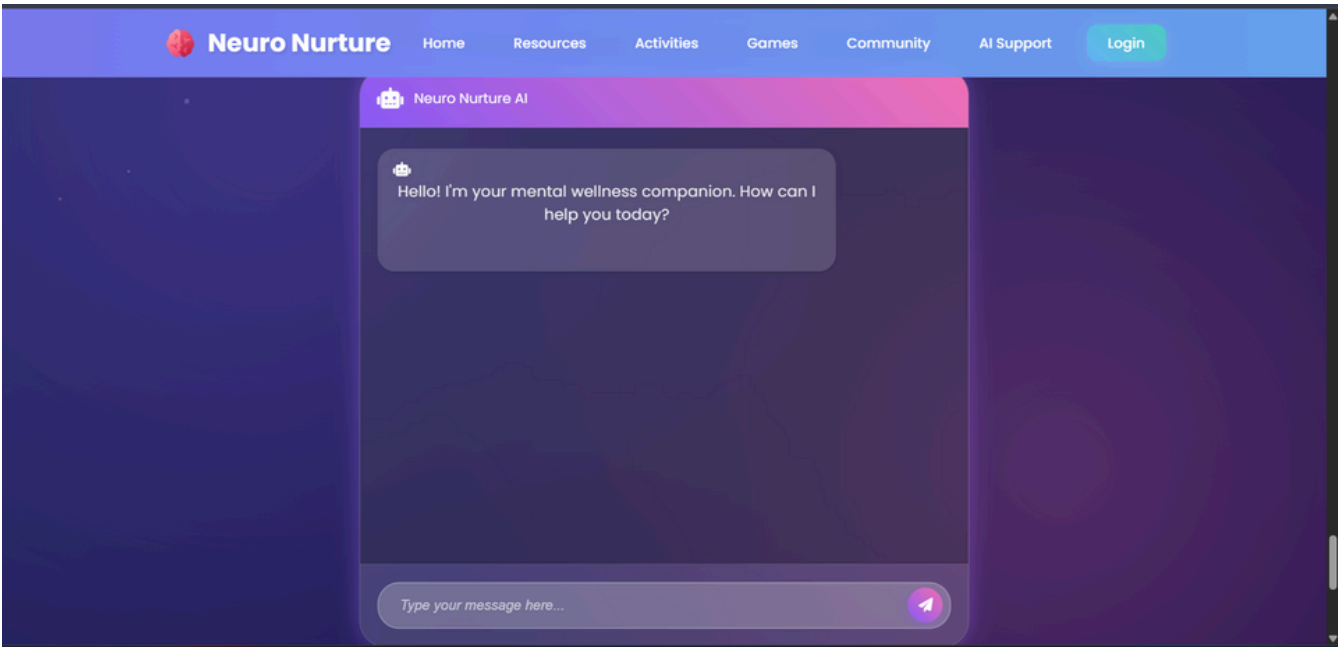
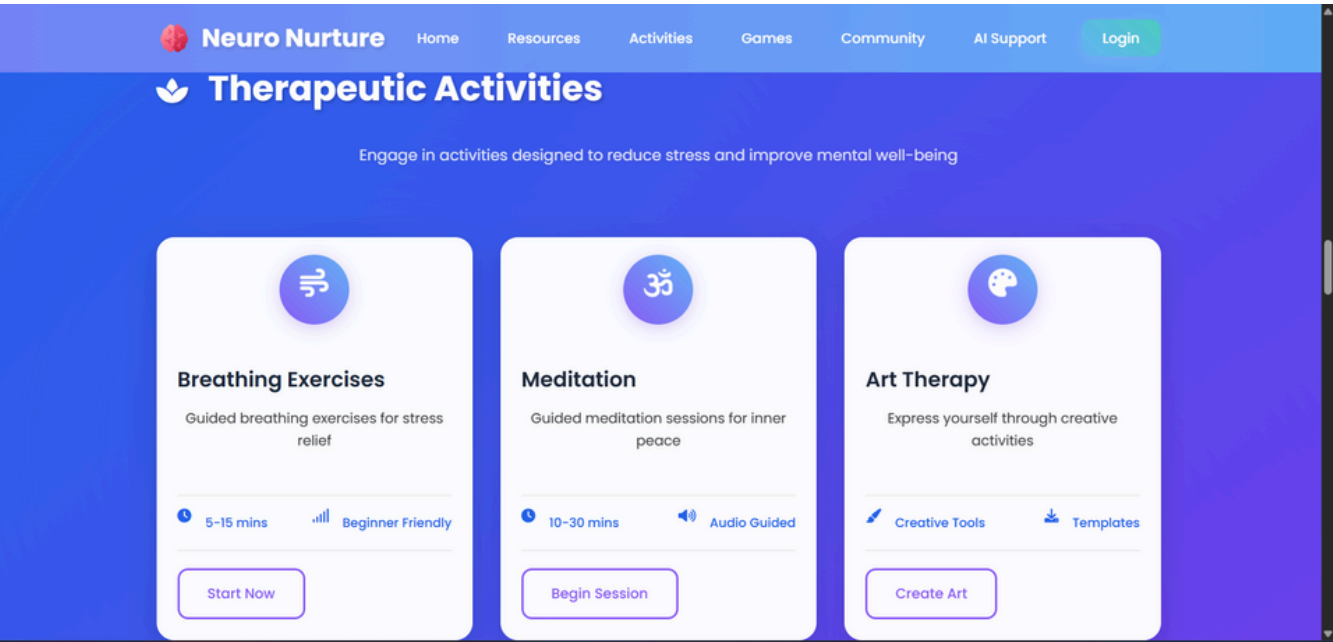
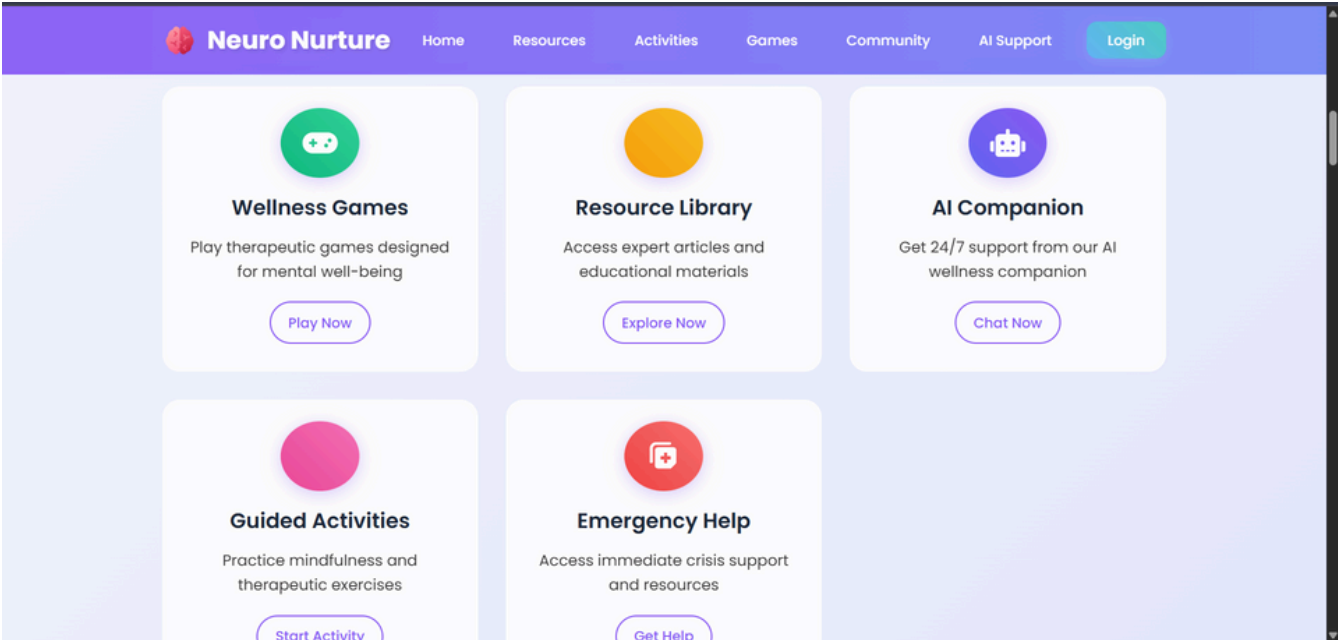
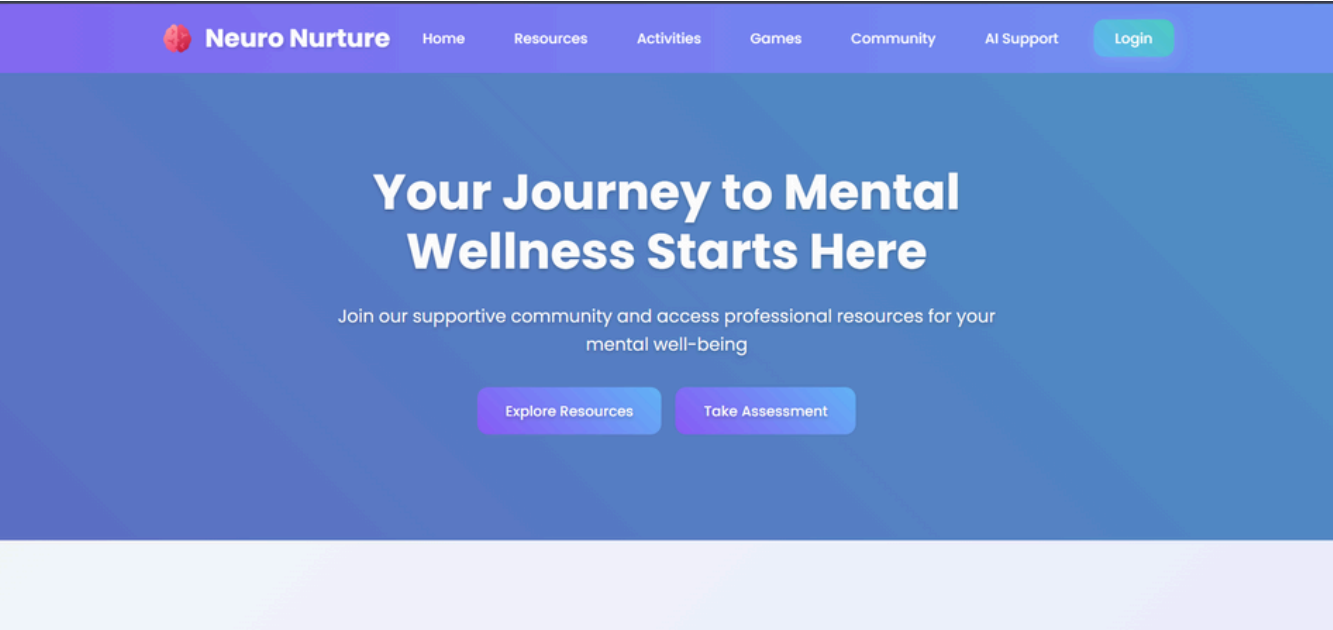
- a. • **All-in-One Solution – Combines self-assessment, AI chatbot, community support, activities, games, and psychiatrist recommendations.**
- b. • **AI-Powered Personalization – Recommends psychiatrists based on quiz scores, ensuring tailored mental health support.**
- c. • **Gamification for Mental Well-being – Engaging games designed to improve mental health in a fun way.**
- d. • **Community + AI Chatbot Support – Offers both peer support and AI-driven assistance for 24/7 help.**
- e. • **Diverse Resources – Articles, videos, and activities for users with different preferences.**

- **Early Detection – Self-assessment quiz identifies issues & recommends psychiatrists.**
- **24/7 AI Support – Instant help through an AI-driven chatbot.**
- **Stress-Relief Activities – Meditation, breathing exercises & games.**
- **Community Support – A safe space for peer interaction.**
- **Easy Access to Professionals – Direct psychiatrist recommendations.**

Technologies to be used in the solution

- **Gemini API:** Powers the AI chatbot for real-time mental health support.
- **Node.js + Express:** Backend server for authentication and real-time community interaction.
- **MongoDB / Firebase:** Secure database for user data and chats.
- **React + JS:** Responsive frontend for smooth user experience.
- **WebRTC (Planned):** For future voice/video calls within the community.
- **Firebase Auth / Google OAuth:** Secure and anonymous user login.

Snapshots of the MVP



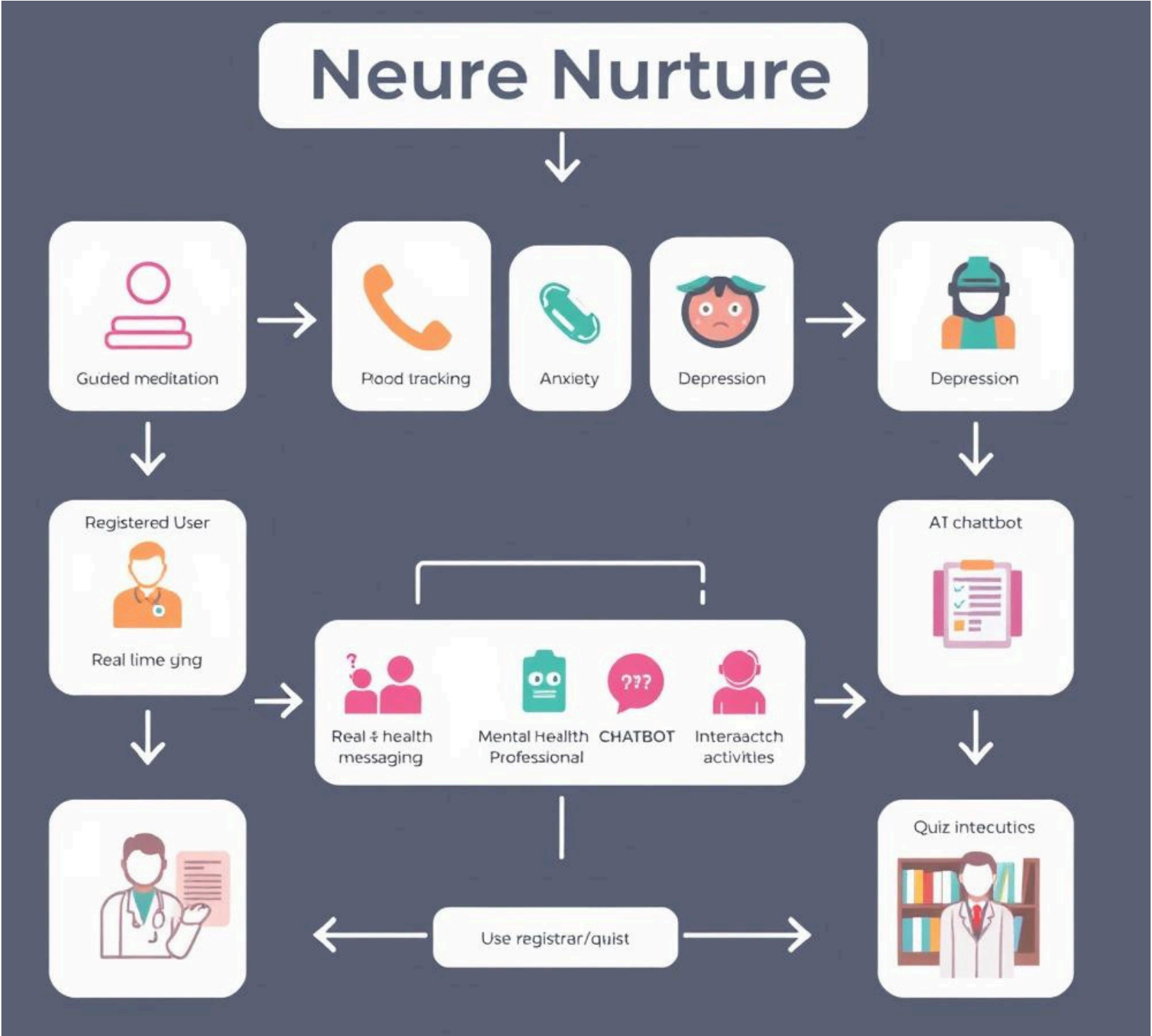
Additional Details/Future Development (if any)

- **Enhanced AI Chatbot – Improve the chatbot with sentiment analysis and natural language processing (NLP) for more empathetic and accurate responses.**
- **Predictive Mental Health Analysis – AI predicts potential mental health risks based on user engagement patterns.**
- **Community Moderation & AI-Powered Insights – AI-driven moderation for a safe and supportive community environment.**

Provide links to your:

1. GitHub Public Repository : <https://github.com/deepakjha018/mental-health-platform>
2. Demo Video Link (3 Minutes)
3. MVP Link : <https://deepakjha018.github.io/mental-health-platform/public/index1.html>

Process flow diagram or Use-case diagram





Solution Challenge



Thank you

