

J.B.INSTITUTE OF ENGINEERING AND TECHNOLOGY

(UGC AUTONOMOUS)

Accredited by NAAC & NBA, Approved by AICTE & Permanently Affiliated to
JNTUH



ORGANIZED BY



SCHIZOPHRENIA



**Team
Details**

01

**Selected
Track**

Health Care

02

**Problem
Statement
Title**

Mental Health
Support and
Monitoring

03

**Team
Name**

Net Runners

04

**Team
Lead**

K.Charan Raj

05

**Dept
Name**

AIML

01



IDEA

- Many people silently struggle with **stress, anxiety, and depression**, fearing judgment or stigma.
- We wanted to create a space where emotions can be **expressed safely and understood deeply**.
- Our vision: a **compassionate digital companion** that listens, supports, and guides healing – like a friend who truly understands.

02

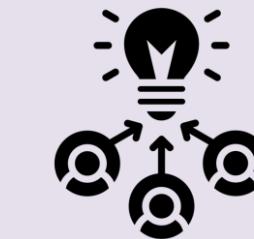


RESEARCH

Reports show a **steady rise in depression and suicide rates**, especially among youth. **70%+** of those with mental health challenges **don't seek help** due to fear or lack of access.

People are **more open online** — sharing feelings anonymously feels easier and safer. There's a gap: tools that track mood exist, but **they don't connect emotions to real actions or empathy**.

03

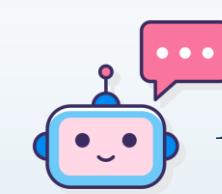


SOLUTION

A **Mental Health Care & Monitoring App** combining **AI empathy, emotion journaling, and peer connection**.

Key focus: **detect emotions early**, provide **personalized healing paths**, and offer a **judgment-free community**.

Goal: **Reduce stigma, encourage reflection, and provide early emotional intervention** through relatable technology.



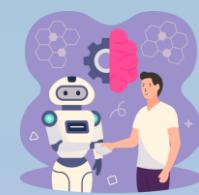
Emotion-to- Action AI



**Personalized
Healing Path**



**Offline Mode +
Local Emotion
Privacy**



**AI Companion
Who
Grows with
You**



**Mind Journey
Dashboard**



**Mood Circles –
Anonymous Micro
Communities**



**Visual Emotion
Journal –
Mood Canvas**



Affirmation Generator

TECHNOLOGIES USED

FRONTEND:

HTML5, CSS3,
JavaScript, React.js,
Socket.IO

BACKEND:

Node.js, Express.js,
MongoDB, JWT,
bcryptjs

AI/ML:

Sentiment Analysis, NLP,
TensorFlow.js

DEPLOYMENT:

Firebase Hosting,
Heroku/Render

 SerenAI

Features How It Works Privacy Contact [Get Started](#)

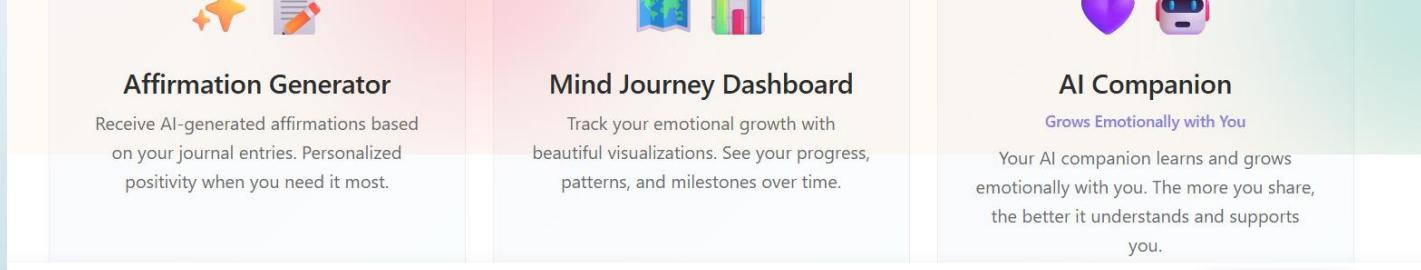
Embark on Your Emotional Wellness Journey with SerenAI



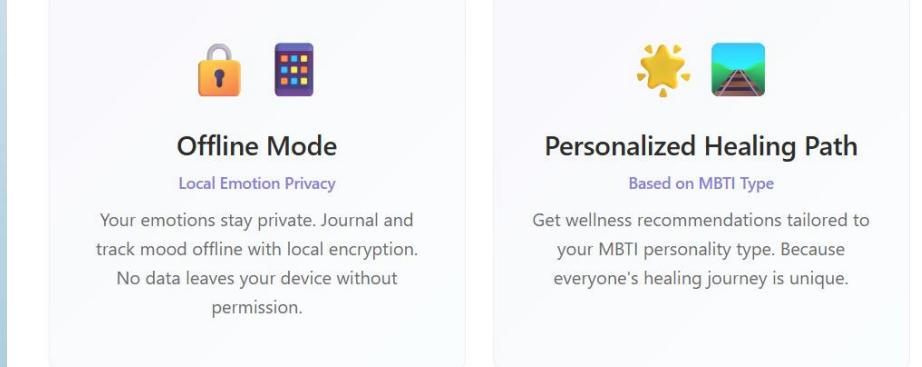
AI-powered mental health support that understands, grows, and heals with you

[Start Your Journey](#) [Learn More](#)

[Start Your Journey](#) [Learn More](#)

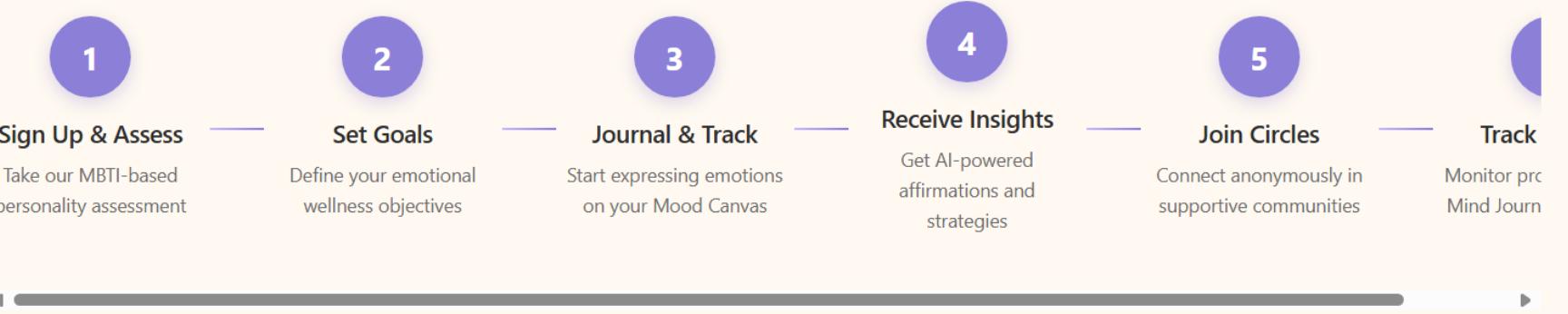


 SerenAI Features How It Works Privacy Contact [Get Started](#)



How It Works

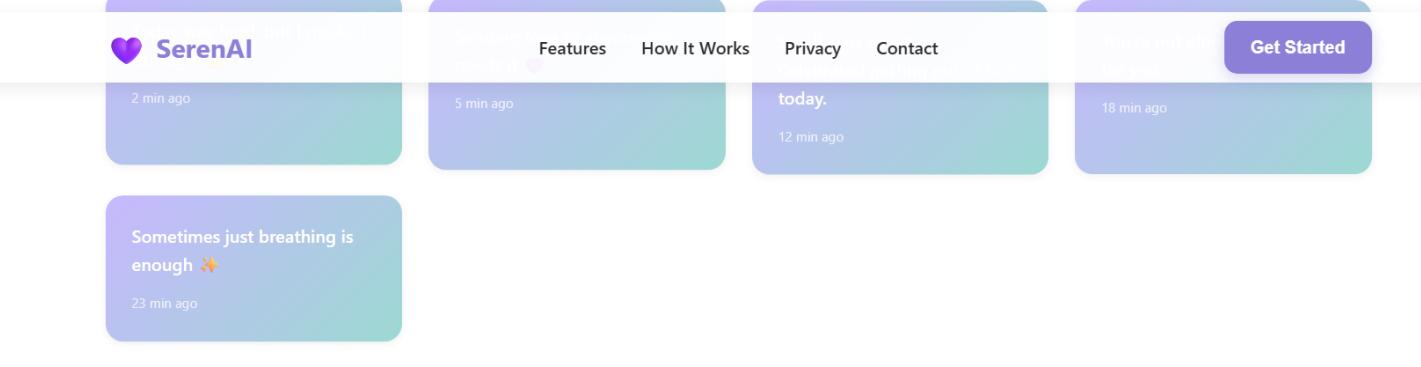
Your journey to wellness in 6 simple steps



- 1 Sign Up & Assess**
Take our MBTI-based personality assessment
- 2 Set Goals**
Define your emotional wellness objectives
- 3 Journal & Track**
Start expressing emotions on your Mood Canvas
- 4 Receive Insights**
Get AI-powered affirmations and strategies
- 5 Join Circles**
Connect anonymously in supportive communities
- Track**
Monitor progress, Mind Journal

Join Mood Circles

Anonymous peer support when you need it most



 SerenAI Features How It Works Privacy Contact [Get Started](#)

2 min ago 5 min ago today. 12 min ago 18 min ago

Sometimes just breathing is enough 😊 23 min ago

[Join a Circle](#)

FEASIBILITY ANALYSIS

Market Demand:

970M people with mental health issues, 75% untreated

Technology Proven:

Node.js, MongoDB, React are industry-standard

MVP Achievable

10hr Hackathon timeline realistic

Revenue Model:

Freemium (\$9.99/month) + B2B (employers, universities)

Low Barrier to Entry:

No hardware costs, pure software solution

Scalability:

Can support millions of users with cloud infrastructure

POTENTIAL CHALLENGES & RISKS*

01 User Data Privacy

GDPR/HIPAA compliance
needed | HIGH |

05 Liability Issues

| Users may rely on app instead of
professionals | HIGH |

02 AI Accuracy

| Poor sentiment analysis
reduces trust | HIGH |

06 Server Downtime

| Loss of data/trust if platform
crashes | HIGH |

03 User Adoption

Low sign-ups if marketing weak
| MEDIUM |

07 Competition

| Many existing mental health
apps | MEDIUM |

04 Real-time Performance

| Socket.IO lag with many concurrent users
| MEDIUM |

08 Budget Constraints

Limited hosting/AI API costs | LOW |



STRATEGIES TO OVERCOME

01 User Data Privacy

End-to-end encryption, offline mode, GDPR compliance, clear privacy policy |

02 AI Accuracy

Use tested APIs (OpenAI/Hugging Face), continuous ML model improvement |

03 User Adoption

Social media campaigns, partnerships with universities/NGOs, referral program |

04 Real-time Performance

Load balancing, Redis caching, CDN for static files |

05 Liability Issues

Load balancing, Redis caching, CDN for static files |

06 Server Downtime

Auto-backups, monitoring (Sentry), 99.9% uptime SLA |

07 Competition

Focus on unique features (Mood Circles, MBTI personalization, offline mode) |

08 Budget Constraints

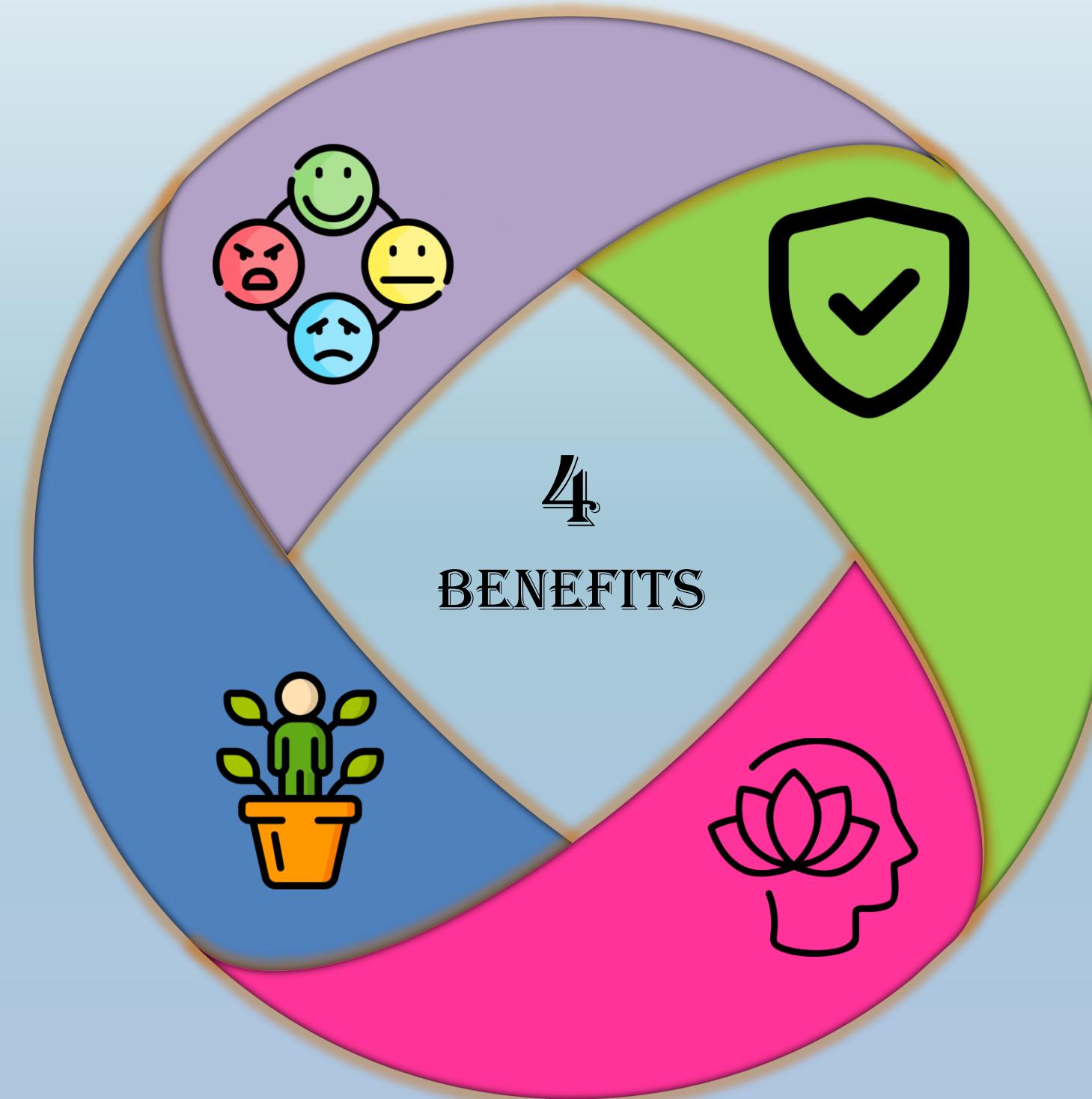
Use free Firebase tier, open-source libraries, cloud credits |

01

Emotional Awareness
Helps users recognize
and manage emotions
early

03

**. Personal Growth &
Well-being**
Supports emotional resilience
and self-improvement.



02

Safe Community Space
Encourages open, stigma-
free emotional sharing

04

Mental Health Normalization
Makes mental health
conversations a natural
part of life.

Team Members Information

Team Leader Name: K.Charan Raj
Year: 2nd year
Department: AIML
Roll Number: 24671A7394

TEAM LEADER

Team Leader Name: G.Alekhya
Year: 2nd year
Department: AIML
Roll Number: 24671A7382

TEAM MEMBER 1

Team Leader Name: K.Sai siri
Year: 2nd year
Department: AIML
Roll Number: 24671A7397

TEAM MEMBER 2

Team Leader Name: G.Rajadatta Goud
Year: 2nd year
Department: AIML
Roll Number: 24671A7321

TEAM MEMBER 3

GUIDELINES

- | | |
|---|---|
| 1 | Please keep the number of slides as minimum as possible. |
| 2 | Present your ideas in bullet points, avoiding lengthy paragraphs. |
| 3 | Ensure clear and concise explanations for easy understanding. |
| 4 | Omit any form of code from the abstracts. |

For any issues, call : +91 994 972 1034

You may remove this slide (guidelines) when uploading your ideas.