MENTIS 2026

- **Problem Statement ID –** MENTIS0018

- **Problem Statement Title-** AI-Enabled Large-Scale Community Mental Health Screening Systems

- **Theme-** AI for Scalable Community Mental Health Screening & Risk Awareness

- **PS Category- Software/Hardware-** Technical (Hackathon)

- **Team ID-**

- **Team Name (Registered on portal) -** V

Privacy-first, AI-powered mental health screening and awareness platform

❖ Digital Survey & Questionnaire Platform
❖ AI-Based Risk Stratification (NLP + ML)
❖ Community Dashboards & Insights
❖ Resource & Referral Integration
❖ Ethical, Transparent & Privacy-Preserving Design
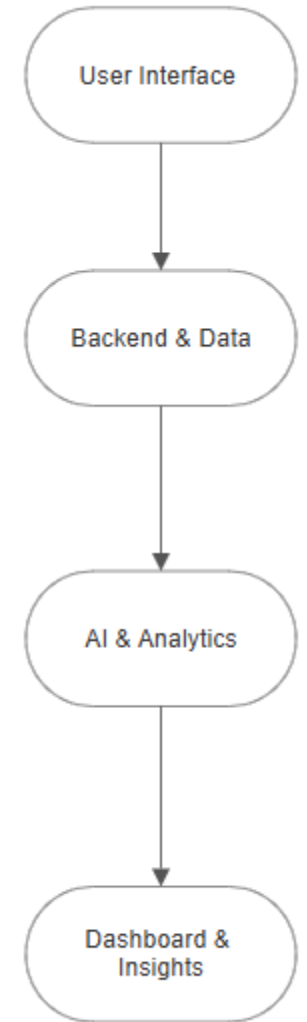
❖ Multilingual & Accessible Interfaces

FULFILS : Scalable collection + automated scoring
FULFILS: Distress detection & high-risk flagging
FULFILS : Anonymized visualization & trend monitoring
FULFILS : Resource linking without replacing clinicians

FULFILS : Ethical, transparent, privacy-first requirement

FULFILS : Diversity, accessibility & inclusion

- A privacy-first AI platform that enables large-scale, multilingual mental health screening and awareness, identifies community-level risk trends, and connects individuals to appropriate support without diagnosing or replacing professionals

TECHNICAL APPROACH

- User Interface Layer(Frontend) – surveys & interaction
- Backend & Data Layer – storage, consent, APIs
- AI & Analytics Layer – scoring, NLP, risk stratification
- Dashboard & Insights Layer – community trends

FEASIBILITY AND VIABILITY

✅ FEASIBILITY
1. Technical Feasibility
2. Data Feasibility
3. Infrastructure Feasibility
4. Ethical & Legal Feasibility

✅ VIABILITY
1. Operational Viability
2. Economic Viability
3. Scalability Viability
4. Adoption Viability
5. Ethical & Social Viability
6. Long-Term Viability

IMPACT

- Impact at the Individual Level
- Impact at the Community or Institutional Level
- Impact at the Societal Level
- Ethical & Trust Impact

BENEFITS

Individual metrics
•Survey completion rates
•Engagement with self-help resources
•Repeat participation
Community metrics
•Trend detection accuracy
•Timely identification of stress peaks
•Effectiveness of awareness campaigns
Benefit: Clear evidence of value without clinical claims

RESEARCH AND REFERENCES

- AI & Machine Learning in Health Risk Detection
- Digital Surveys, Data Analytics & NLP Applications
- AI in Mental Health & Digital Interaction Tools
- Ethics, Bias, Privacy & Responsible AI
- AI Equity & Health Policy — Brookings Institution (2025)