

SMART INDIA HACKATHON 2025



- Problem Statement ID – 25219
- Problem Statement Title- Mobile-based EHR

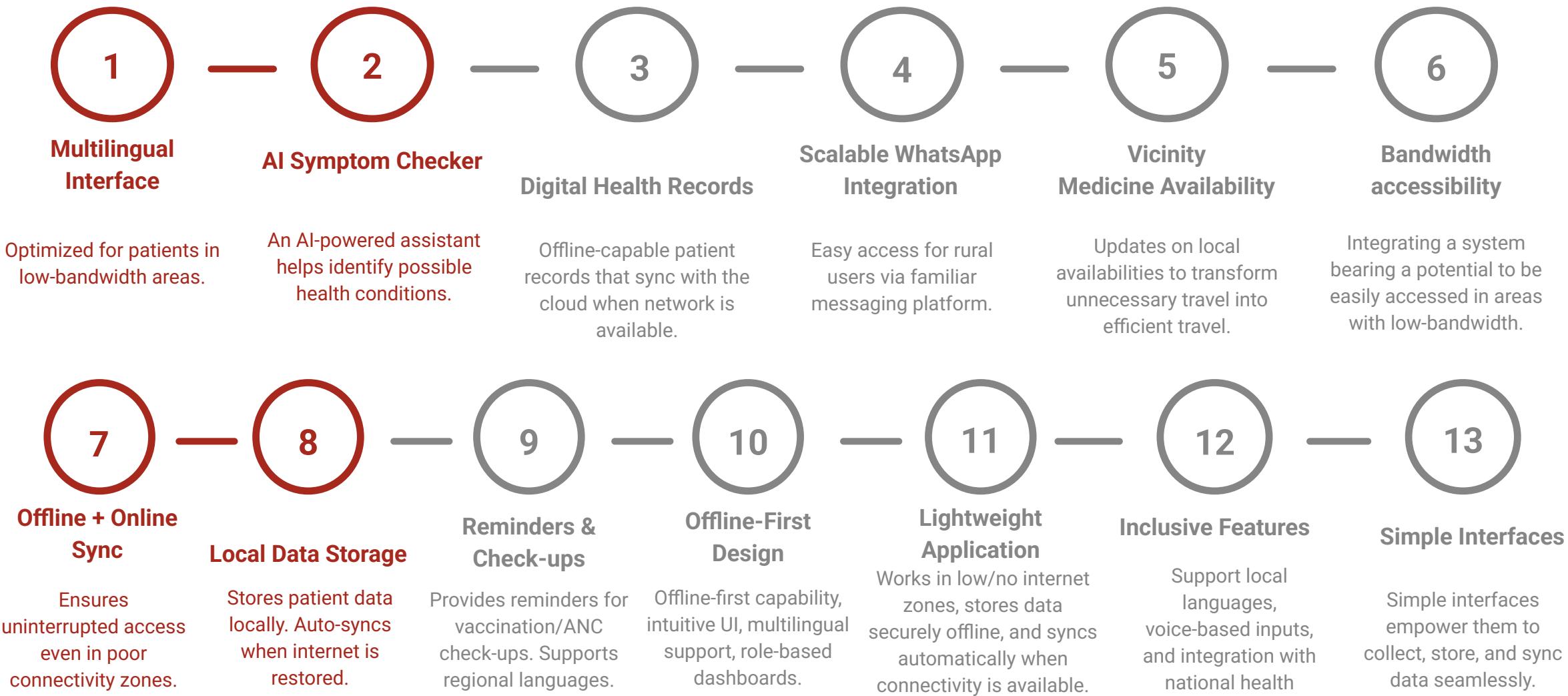
Companion for ASHA Workers in Low-Internet Areas

- Theme- MedTech/BioTech/HealthTech
- PS Category- Software
- Team ID- 86239
- Team Name – The Hacksters





PROPOSED SOLUTION





THE HACKSTERS

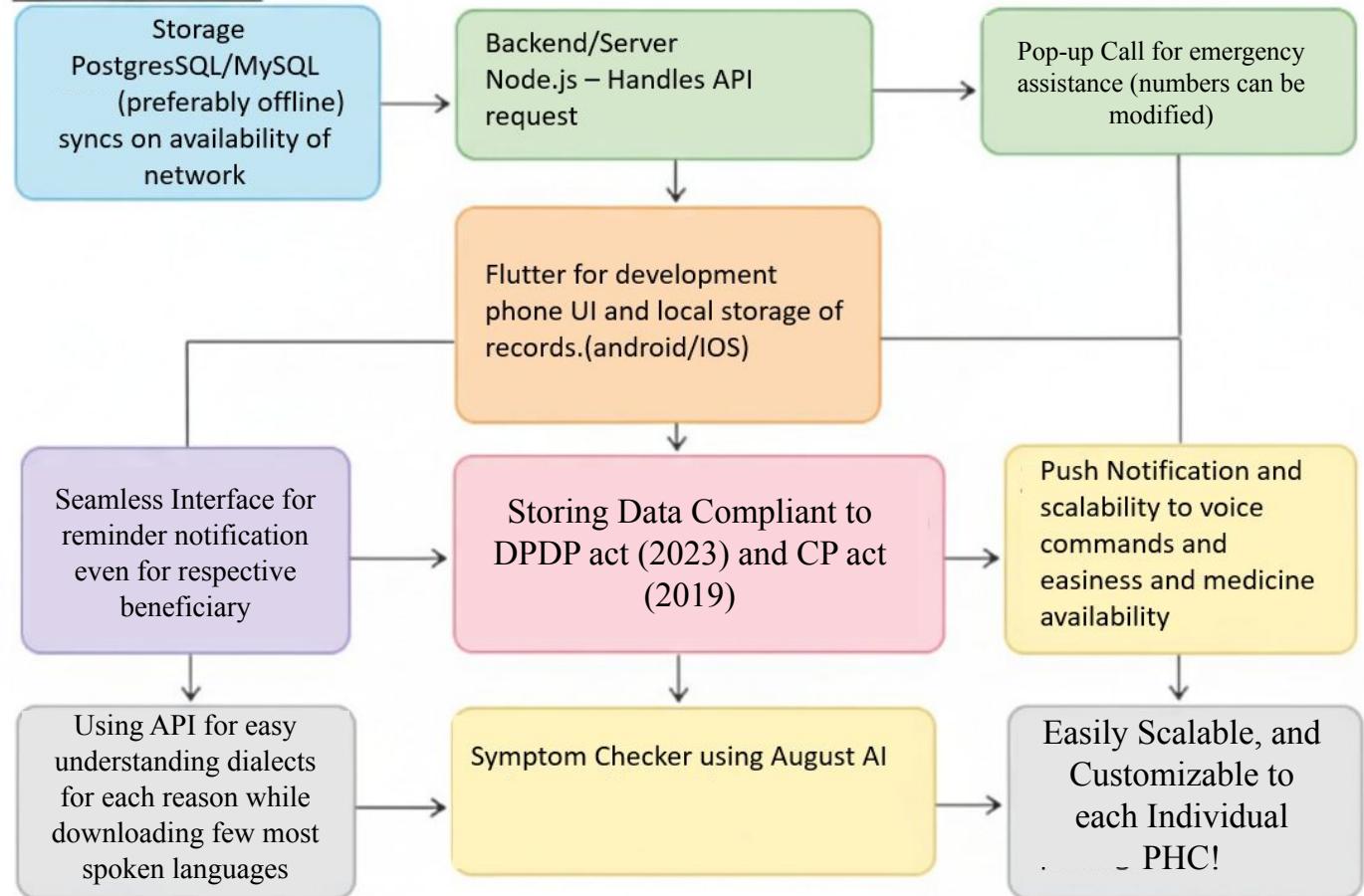
TECHNICAL APPROACH



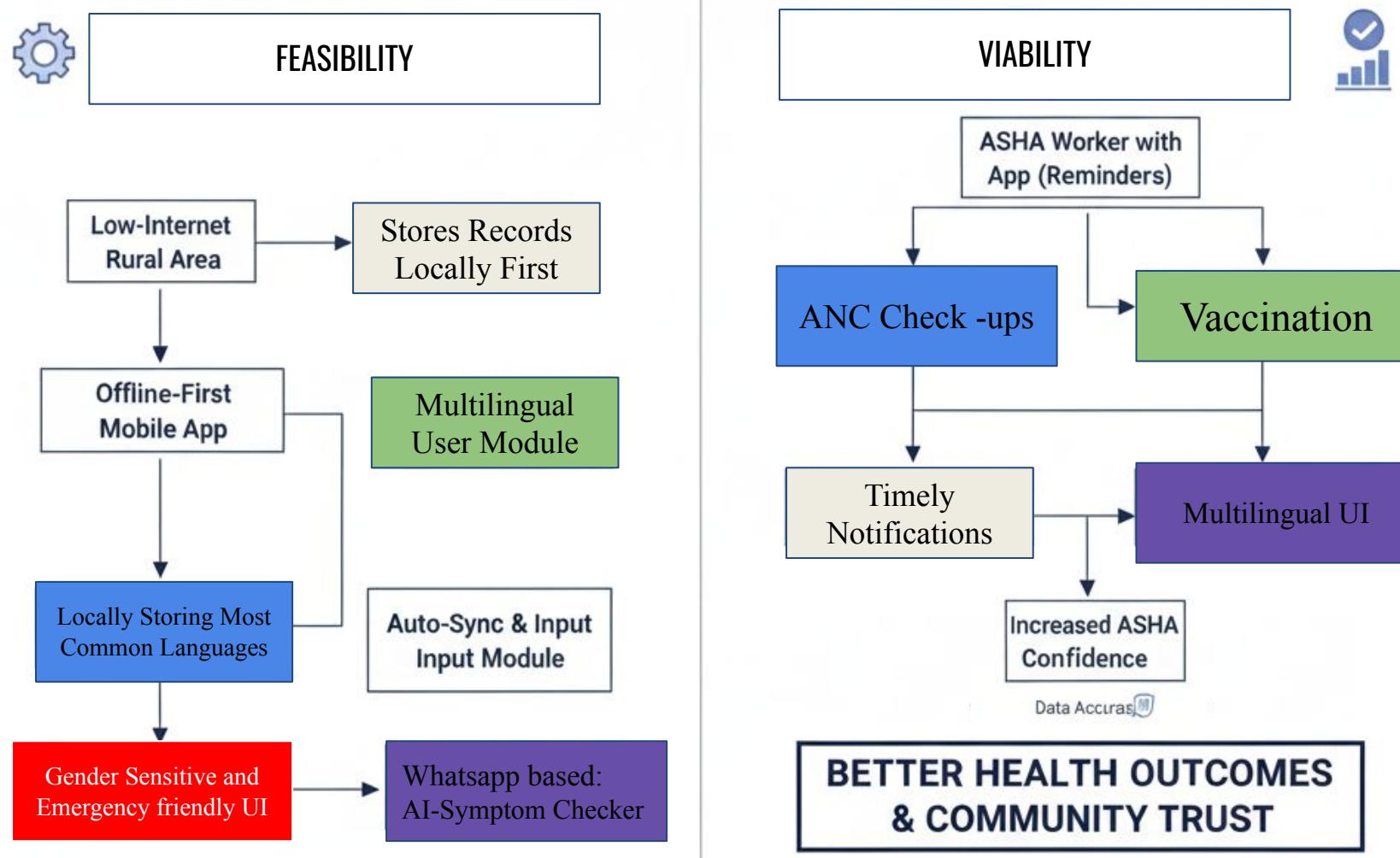
2. Database / Storage

- SQLite- Handles API requests, authentication, and cloud sync
- Sync Engine/API Layer- Handles offline data handling and syncing on availability of network

3. Backend / Server

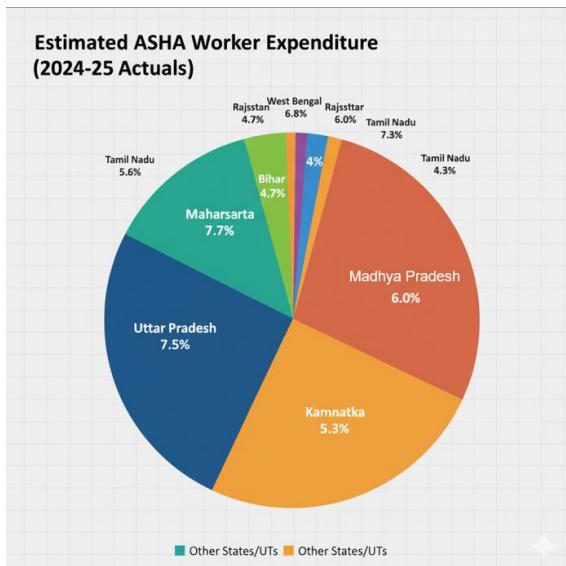
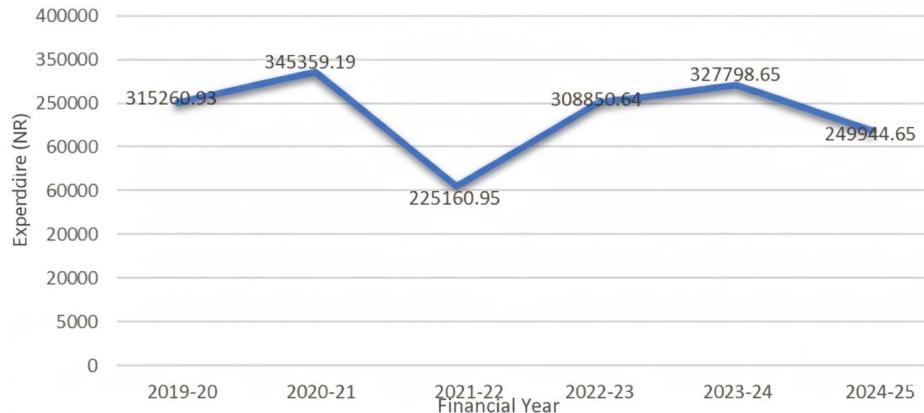


FEASIBILITY AND VIABILITY



IMPACT AND BENEFITS

Total Expenditure Spent On ASHA Workers



1. Improved Access to Healthcare

2. Timely Medical Intervention

3. Empowerment of Vulnerable Groups

4. Enhanced Awareness of Health Schemes

5. Better Follow-up and Continuity of Care

IMPACTS



BENEFITS

Social Benefits

- Reduces healthcare disparities.
- Improves maternal & child health

Economic Benefits

- Reduces travel & lost wages.
- Optimizes hospital & pharmacy

Health System Benefits

- Streamlines doctor scheduling.
- Improves data-driven decision-making



RESEARCH AND REFERENCES



Link	Objective	Key Findings	Relevance to the Topic
PubMed 32985439	Adoption of mobile app by CHWs	High engagement, improved reporting & patient tracking	Feasibility of mobile EHR in rural areas
ResearchGate 380041870	Empowering ASHA workers	Enhanced data collection, patient follow-ups, health education	Shows impact of mobile tools for ASHAs
ScienceDirect S2949856225000765	Barriers for PHC workers	Connectivity issues, device literacy; recommends offline support	Guides app design for low-internet areas
PubMed 35847763	Readiness for telemedicine	Training and local-language support critical	Importance of offline & multilingual features
ResearchGate 395321921	ICT tools in maternal & child health	ASHAs act as bridges for digital health delivery	Confirms ASHA workers as primary users
LWW 2025/01000	Digital literacy	Digital literacy critical for telemedicine	Underlines need for user-friendly EHR apps
PubMed 32371467	CHW training & support	Improved efficiency, knowledge retention	Relevant for ASHA training through EHR app
PubMed 31573936	Clinical decision support	Enhances diagnostic accuracy & compliance	Could be integrated as AI/symptom checker in app
ScienceDirect S2211883722000437	Systematic review of mHealth	Successes and barriers like connectivity	Confirms design considerations for rural EHR systems
SAGE 10.1177/20552076211067680	Mobile tech for CHWs	Improved maternal & child health outcomes	Reinforces impact of mobile EHR/telemedicine apps