

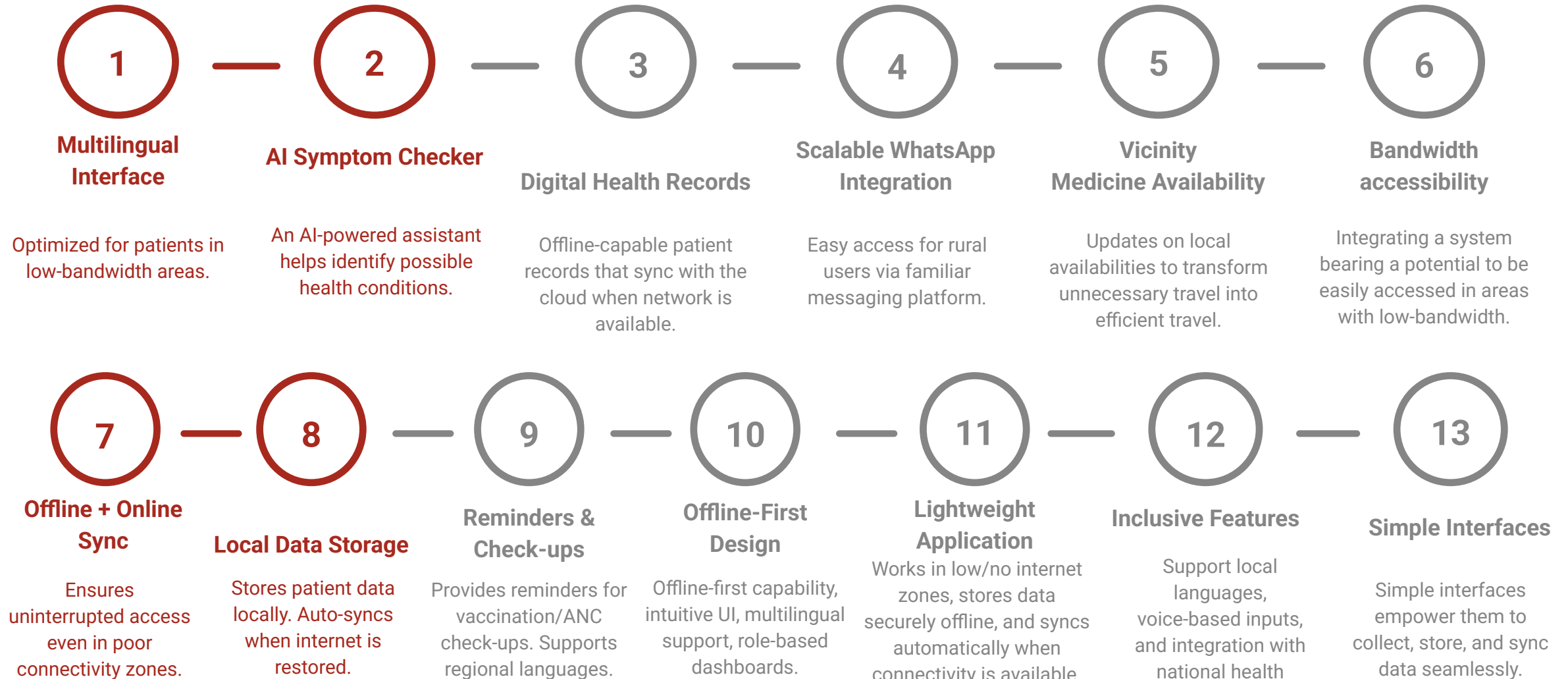
SMART INDIA HACKATHON 2025



- **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**



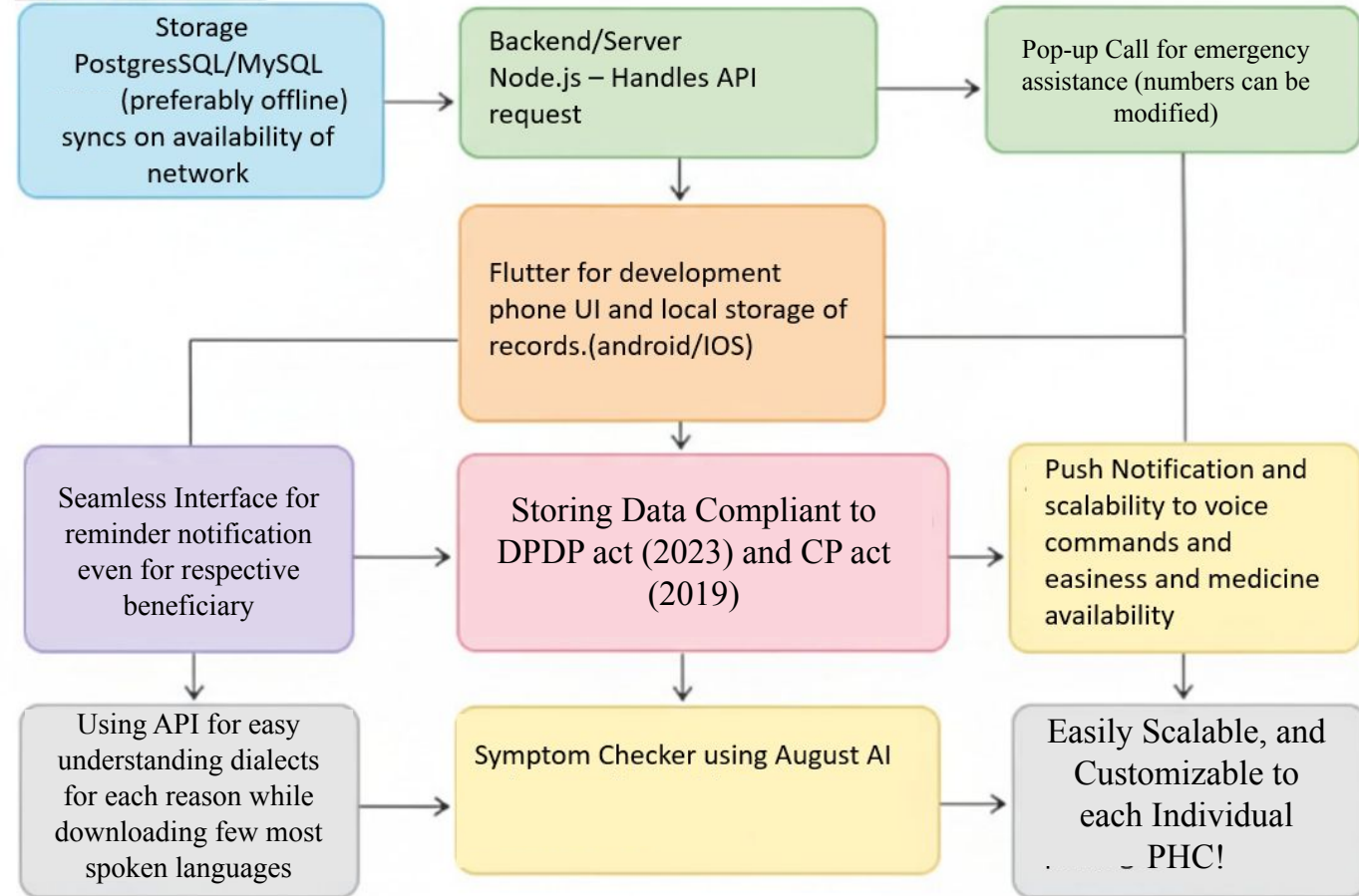
PROPOSED SOLUTION



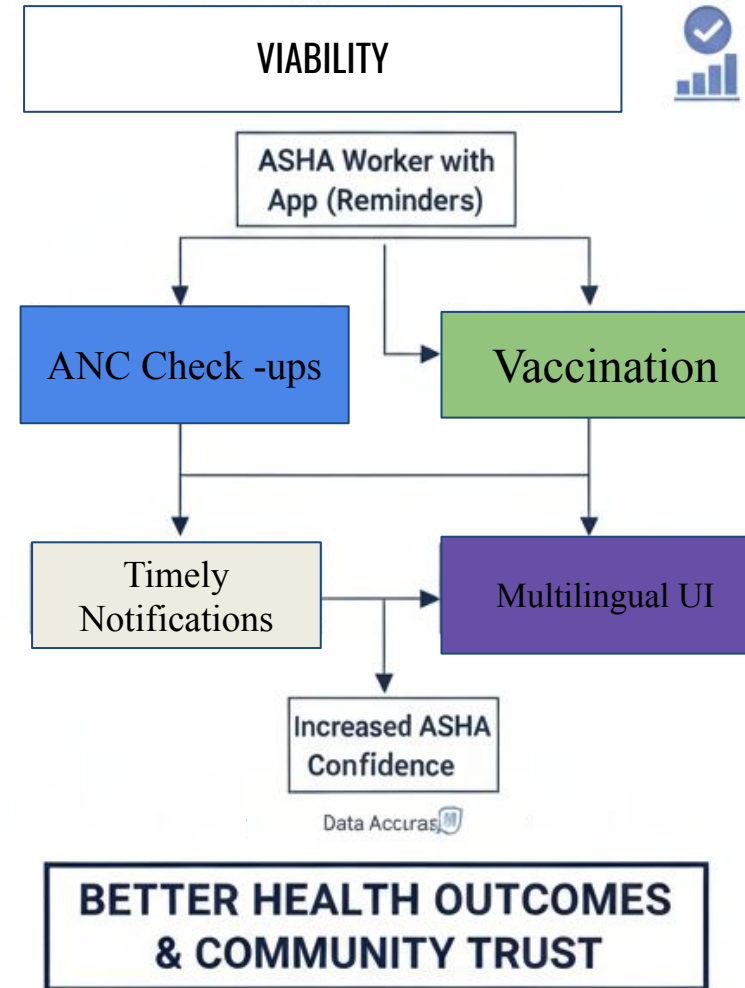
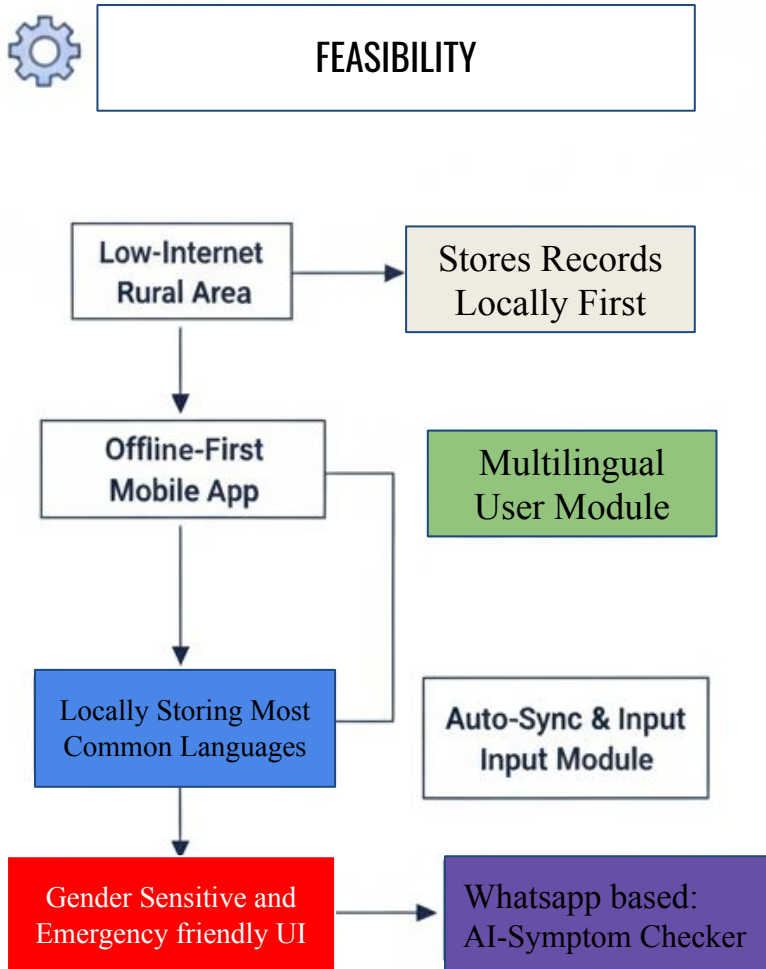
2. Database / Storage

- 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

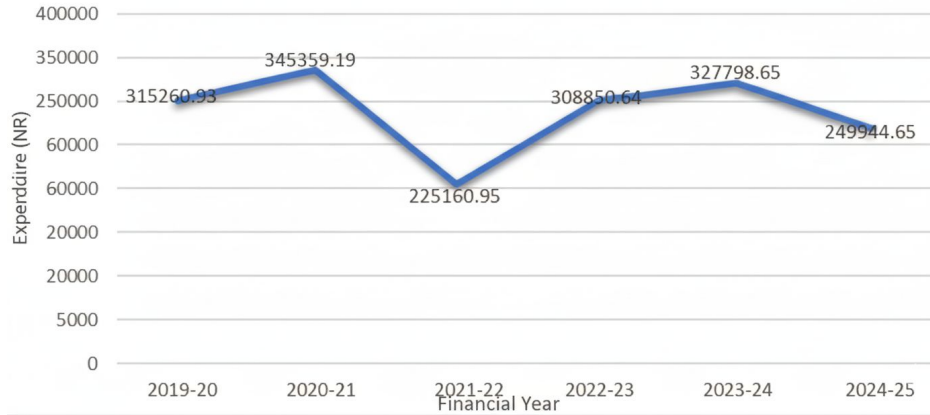


FEASIBILITY AND VIABILITY

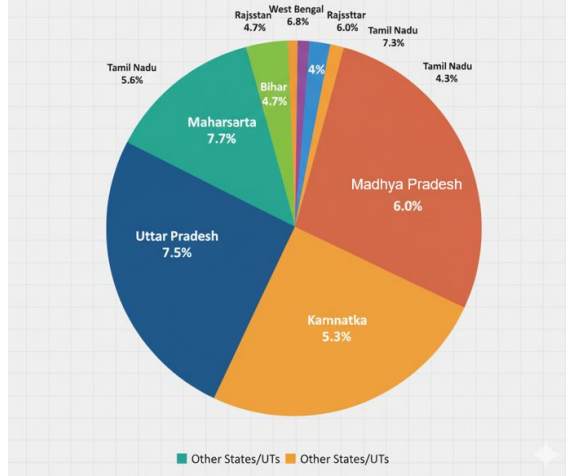


IMPACT AND BENEFITS

Total Expenditure Spent On ASHA Workers



Estimated ASHA Worker Expenditure (2024-25 Actuals)



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

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