Healthcare Accessibility In Rural India

DESCRIPTION

PROBLEM STATEMENT:

In India healthcare accessibility is limited to urban areas, providing accessible healthcare services to rural and remote areas is challenging due to geographic and resource constraints. Many patients in remote areas lack access to reliable tele health services for remote consultations.

CORE FUNCTIONALITY:

•**Multilingual Support**: Incorporated regional languages(22) with simple and clear communication, including text, audio instructions.
•**Voice Assistance**: Used voice-based navigation to help users with low literacy levels operate the app easily.
•**User-Friendly Interface**:An intuitive, minimalistic interface with clear icons, images, and simple language.
•**Telemedicine Integration**: Enabled easy access to telemedicine consultations with healthcare professionals, including features like video calls, chat, and prescription management.
•**Health Education**: Provide accessible health education content(Articles) on common diseases, preventive care, and maternal health(Pregnancy).
•**Emergency Services**: Integrate a feature to connect users with nearby healthcare facilities or ambulances in case of emergencies.

PROPOSED SOLUTION:

Close the Gap
Easier access to medical equipment and appointments, even in rural areas.
Target Audience
Focus on rural areas and remote villages.
Cost Savings
Telemedicine consultations with features like video calls, chat, and prescription management.
Easy to Use
Integrates a feature to connect users with nearby healthcare facilities or ambulances in case of emergencies.

CONTENT

Team Name : HaiTech

INTRODUCTION TO PROBLEM STATEMENT:

Market Gap
Rural India*(60% of Indian Population)* struggles with limited access to medical care, worsened by geographic and resource constraints.
Customers
Rural patients face communication barriers(*22 Regional Languages*) and lack reliable telehealth services, leading to misunderstandings and sub-optimal care.
Usability
The app must be simple to use, even for non-tech-savvy users or non-native speakers, minimising dependence on others.
Financials
Improving healthcare access can unlock financial gains by serving underserved markets, reducing costs from delayed care.

OVERVIEW OF PROPOSED SOLUTION:

1)Wider reach using emergency services like ambulance detects the location and sends the nearest available resource .

2)Integrated about 22 regional languages for Multi Language usability

3)Simple icons , for ambulance (Emergency), Voice to Text conversion, Language Translation, Doctors Recommendation(Ratings,Distance,Specialization),Telehealth services,Prescription Ordering

FUNCTIONALITY OF PROTOTYPE:

(Explained in the Google Drive Link):

- Objective: An application for the rural people who are not so modernised and may be non-native speakers, also face communication barriers in healthcare settings, leading to misunderstandings and sub-optimal care.
- Expected Outcomes:
    - Efficiency: Minimise the workload and dependency of other people to operate the application.
    - Accessibility: Ease the experience for people so that they could easily get tele help.

We have a Language Translation ipynb, Voice to Text Recognition ipynb, Prototype for the App(MEDEC+)

SPECIFICATIONS:

Clear audio with 720p Resolution

HOSTING:

Google Drive Link:
Medic - HAITech(Rural Healthcare).mp4