Basic Details of the Team and Problem Statement

SMART INDIA HACKATHON 2023

Ministry/Organization Name/Student Innovation: Government of Gujarat

PS Code: SIH1363

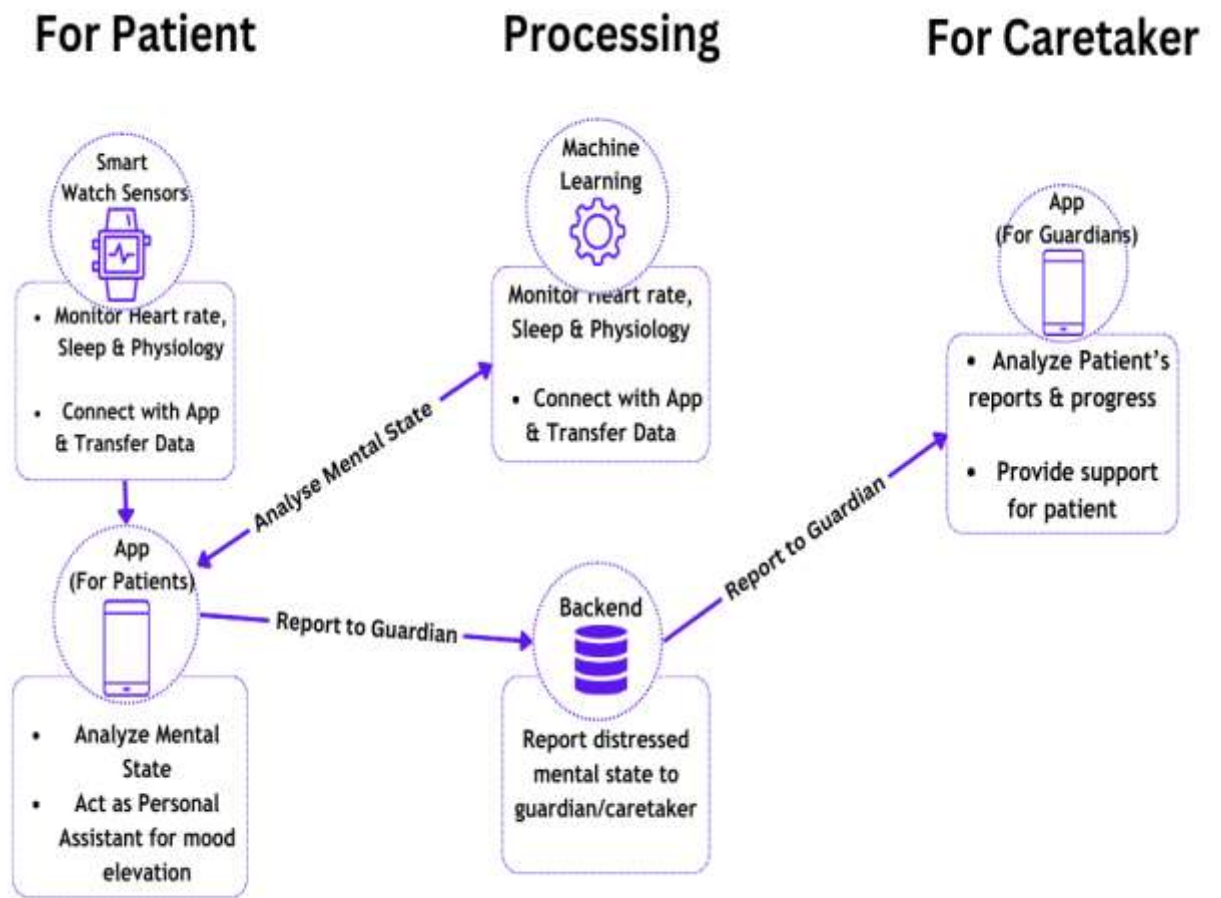**Problem Statement Title:** Self-identifying mental health status and get guidance for support.

Team Name: Magic Moments

Team Leader Name: Shubham Tiwary

Institute Code (AISHE): U-0750

Institute Name: Uttaranchal University

Theme Name: Mental Stress Diagnosis
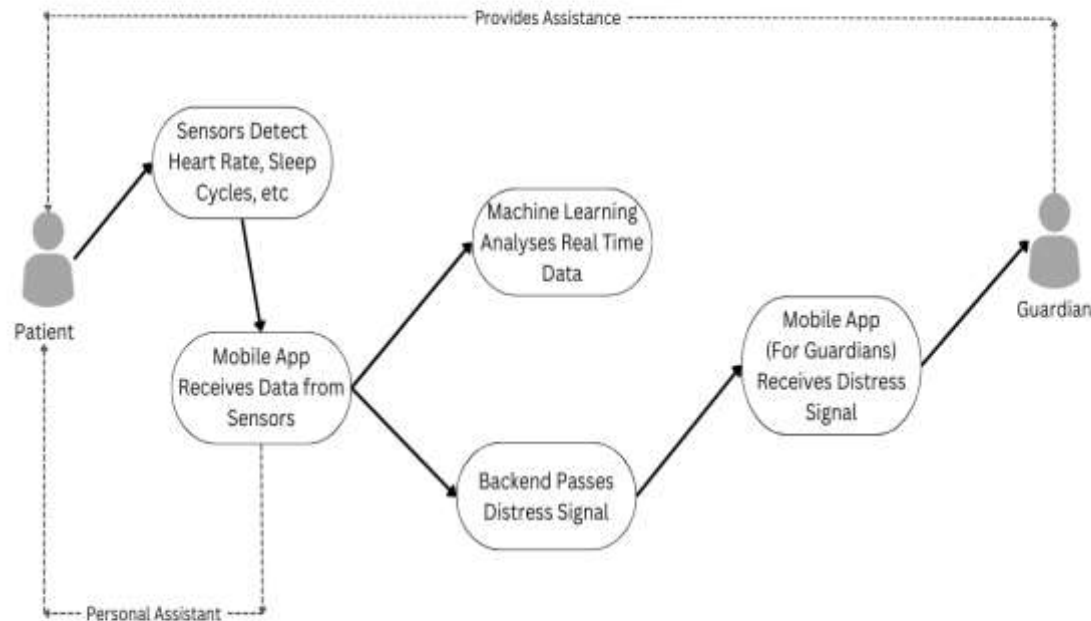
Idea/Approach Details

- Monitor the mental state of patients via **Smart-watch Sensors** with **Mobile Application** as a personal assistant for mood elevation.

- Use of **Machine Learning Algorithms to classify the mental state** and analyze the progress over time.

- Provide **External support** from caretakers when recorded mental state is highly distressed

Smart Watch App: Java (Android)
Mobile App: React Native
Machine Learning Model : TensorFlow
Backend: Node.js + Express
Database: Mongo DB

Idea/Approach Details

Use Cases

Dependencies / Show Stopper

- Health Services API (For Wear OS Devices)

- Open AI API (Language Generation)

- Google Speech to Text API

- Amazon AWS Elastic Beanstalk(For hosting Node.js Backend Application)

Team Member Details

Team Leader Name: **Shubham Tiwary**

Branch (Btech/Mtech/PhD etc.): **B.Tech**   Stream (ECE, CSE etc): **CSE**   Year (I,II,III,IV): **2nd(II)**

Team Member 1 Name: : **Somesh Tiwari**

Branch (Btech/Mtech/PhD etc.): **B.Tech**   Stream (ECE, CSE etc): **CSE**   Year (I,II,III,IV): **2nd(II)**

Team Member 2 Name: : **Shruti Soumya**

Branch (Btech/Mtech/PhD etc.): **B.Tech**   Stream (ECE, CSE etc): **CSE**   Year (I,II,III,IV): **2nd(II)**

Team Member 3 Name: : **Shivam Saklani**

Branch (Btech/Mtech/PhD etc.): **B.Tech**   Stream (ECE, CSE etc): **CSE**   Year (I,II,III,IV): **2nd(II)**

Team Member 4 Name: : **Harsh Singla**

Branch (Btech/Mtech/PhD etc.): **B.Tech**   Stream (ECE, CSE etc): **CSE**   Year (I,II,III,IV): **2nd(II)**

Team Member 5 Name: **Shivam Kumar**
Branch (Btech/Mtech/PhD etc): **B.Tech**   Stream (ECE, CSE etc): **AE**   Year (I,II,III,IV): **2nd(II)**