SMART INDIA HACKATHON 2023

Basic Details of the Team and Problem Statement

Ministry/Organization Name/Student Innovation: Govt of Himachal Pradesh.

PS Code: SIH1383

Problem Statement Title: Optimizing Doctor Availability and Appointment Allocation in Hospitals through Digital Technology and AI Integration.

Team Name: Learnnovate

Team Leader Name: MULLU. SANJAY KUMAR

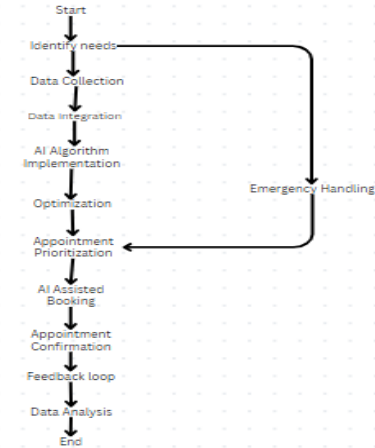**Institute Name:** Sagi Rama Krishnam Raju Engineering College.

Theme Name: MedTech / BioTech / HealthTech.

Approach Details

flowchart

Description:

➢ An interactive tool that allows users to manage doctor's Appointments and availability to maintain a sustainable and smart life.

➢ Training AI based on the availability of the doctors and user appointments for slot allocation.

➢ Using FRS to detect the presence of the doctors in hospital.

➢ Make access to appointments frictionless by connecting patients with doctors quickly, to reduce wait times and overhead costs.

➢ Tracking location in case of Emergency.

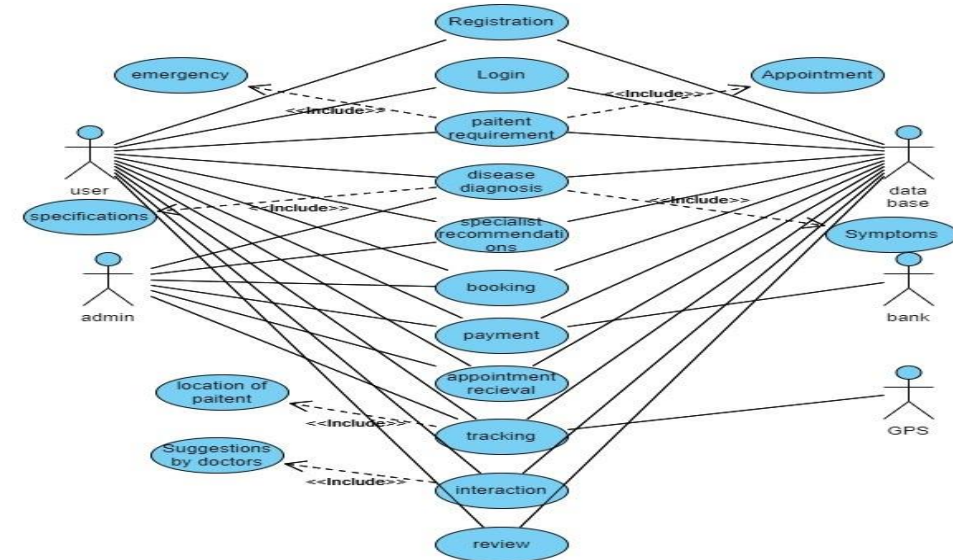**Technology stack:**

➢ Python

➢ React Js

➢ Node Js

➢ Html

➢ Css

➢ Mongo db

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Idea/Approach Details

Dependencies:

➢ Face Recognition System to recognize the presence of the doctors.

➢ Using AI for booking the appointments for the patients to reduce the waiting time .

➢ GPS to be used to track the location in case of emergencies and also for locating the nearby hospitals.

➢ Data Analyzing and acessal for the better predictions for the patients using feedbacks and reviews.

➢ Developing a user interface for the both patients as well as doctors as a platform for the usage.

Team Member Details

Team Leader : Mullu Sanjay Kumar

Branch : BTech   Stream: AIDS   Year : III

Team Member 1 :Rohini Lingisetti

Branch : BTech   Stream: AIDS   Year : III

Team Member 2 : Tejaswi Bonthagarla

Branch : BTech   Stream : IT   Year : III

Team Member 3 : Mounika Madathala

Branch : BTech   Stream: AIDS   Year : III

Team Member 4 :Divya Harshitha Mandla

Branch : BTech   Stream :AIDS   Year : III