

TEAM PAKSHI

Problem Statement : Healthtech

Idea Brief : The event of the creation of the vaccine gave hope to everyone across the world. But now in a country with 1.2 Billion people, vaccinating the population becomes a gargantuan task to handle this we have created a complete solution right from people looking for the nearest vaccine centers to handling the crowd at the vaccination centers.

Tech Stack :

TENSORFLOW, MACHINE LEARNING, WEBRTC, MAPMYINDIA API, DIALOGFLOW, HTML CSS, JAVASCRIPT, NODE JS, PYTHON, BOOTSTRAP & WEB SOCKET

What positive and unique solutions your idea have :

- We intend to solve such problems by providing a complete 360° Assistance able to conquer all the provided dynamic tasks which would be available to everyone's fingertip naming it as **KAVACH**.
- The system would possess a wide variety of advanced features that would help in delivering the details of all queries raised by people.
- **Live Geo Location Based Tracking** - Having a Live Geo Location Based Tracking would facilitate the people in finding the nearest vaccination center alongwith all the other necessary knowledge.
- **Inbuilt Video Calling Functionality/ Medical Assistance** - Providing a inbuilt Video Calling Functionality would ensure that the medical assistance be provided to the one in dire need by virtually resolving their queries and providing a faster and reliable communication between the people and the authorities.
- **Covid 19 Detection Using X-Ray** - By utilizing the understandings of deep learning and CNN for creating a Covid-19 detection using X-Ray the idea is to create an image classification model that can predict Chest X-Rays whether having Covid 19 or not.

- **Chatbot** - For any general queries people could use the Chatbot that would be integrated along the solution making it easier for them to have access to required information.
- **CCTV Surveillance Application** - Using deep learning mechanisms the idea is to create an application which would detect any social distancing violations as well as would keep track of any violence taking place at the vaccination center.
- Also, the availability of all the useful links and a dedicated blog regarding all the important information in one place would also ensure in overall well being.

Team Members:-

1. Anupam Gutpa
2. Kunal Aggarwal
3. Nidhi Chaurasia
4. Meenakshi

Project Name - **KAVACH**