

# PROJECT PROPOSAL

## GROUP-20

**TOPIC: Web App for Online OPD Appointment & Hospital Information System.**

**Brief Description:** As demands of an Automatic System in the Health Care Sector are high, we need to develop a unique web app for online OPD Appointment , Registration and Hospital Information System. This is in accordance with a problem raised by the AYUSH ministry in SIH 2020.

### **Features to Include :**

- Emergency Registration & Online OPD Appointment.
- Feedback System for Patients.
- \*COVID vaccine tracking, availability and appointments.

- **\*Video/Normal Call and chatting facility for COVID patients surveillance.**
- **Secure Login Authentication (Signup and then then Login).**
- **Special facilities for older age people like minutes of last appointments and automatic slot booking.**
- **Automatic expenses calculator for medicines prescribed in form of Invoice type (view/download).**
- **Admin access for proper management of the whole system.**
- **Medical Lab Report of Present Diagnosis**
- **\*Medical History of the Patient (Database including aadhar)**

**Date of Implementation of each feature (Workflow):**

**12-02-2021** : Proposing the Complete idea & implementation of basic UI ( Front-End)

**19-02-2021** : Completion of Front-End Part (Almost)

**26-02-2021** : Emergency Registration & Online OPD Appointment (Backend Works Initialization), Creation of Feedback form

**05-03-2021** : Profile Work (Add, Remove, Edit)

**12-03-2021** : Generate/Download Invoice pdf (according to medicine cost,doctor charge and other charge)

**19-03-2021** : (Review the previous work done till now & modify it according to need)

**26-03-2021** : Inclusion of all small scattered features like for admin can

admit/view/approve/reject/discharge patient or

Doctor, Doctor can

admit/view/approve/reject/discharge patient,

Patients can view their booked appointment

status,can view the assigned doctor's details.

All other remaining features.

**09-04-2021** : (Review the previous work done till now & modify it according to need)

**09-04-2021** : Creation of Account for Admin, Patient & Doctor after secure sign-up.

**16-04-2021** : Deployment of Web App and do the pending work.

**23-04-2021** : Project Submission with Proper Documentation and Codebase pushed on Github Repository.

**Work Assignment of Each Member (till now):**

- **Priyam Bajpai:** Dark-Light Mode toggle option , UI design concept
- **Shreyash Mishra:** Create basic web pages
- **Siddharth Pandey:** Linking with Django, created feedback form, Helped in implementation of UI
- **Yaduraj Deshmukh:** Content of Home and Login web pages
- **Naveen Kumar Vulla:** Content of Home and Login web pages

## **TECH STACKS**

**FRONT-END: HTML, CSS, Java Script, Bootstrap**

**Additionally, if required (React & Vue)**

**BACK-END: Django, Django Rest & Postman for APIs  
(if required)**

**DATABASE: Sqlite**

**VERSION CONTROL PLATFORM: Github**

**Communication: Whatsapp**