Name: Abhinandan De
Roll No: 19CS10069

My contributions in the coviapp project:

1. Was actively involved in the whole project which consisted of three parts:

    a. *App Frontend*
    b. *App Backend*
    c. *Dashboard Frontend*

2. Specifically managed the designing of the dashboard to show patient data

    Used a Javascript framework (React.JS) along with several other libraries to build the dashboard which has the following facilities:

    I. Refreshes and updates all data after every 30 seconds so that updates are revealed as fast as possible.

    Data is fetched from an API which sends the data (entered via the smartphone app) from the database.

    II. Has a central table which displays all data in a tabulated form with special sorting and searching features.

    The table shows important data such as SpO2, Heart Rate, Temperature, Time of last update, etc and the data can be sorted according to the values of these attributes.

    III. Individual monitoring of student data with graphs designed using Chart.JS, consisting of the following graphs.

        a. *Temperature v/s time*
        b. *SpO2 v/s time*
        c. *Heart Rate v/s time*

    Also, another table consisting of all this data in a tabulated form was made.

3. Contributed towards testing the smartphone app, reported bugs and requested for bug-fixes.

I endorse that the contributions noted here by the applicant are genuine.

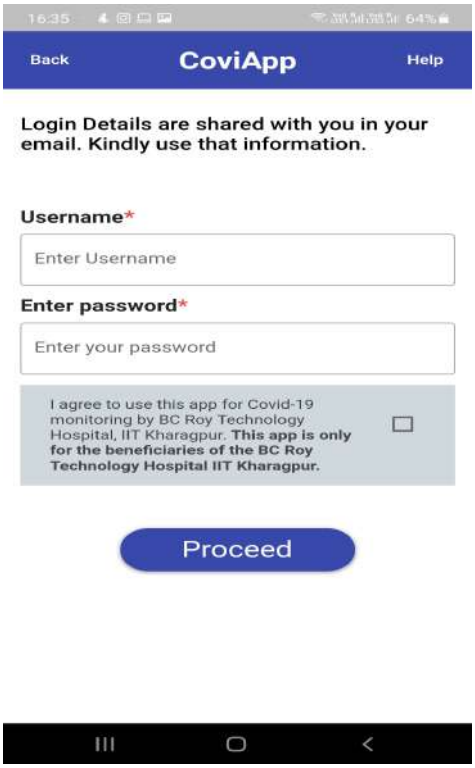
Animesh Mukherjee

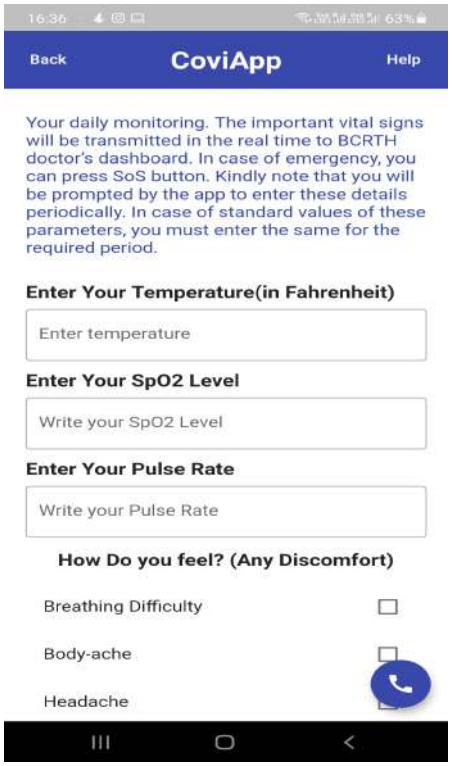
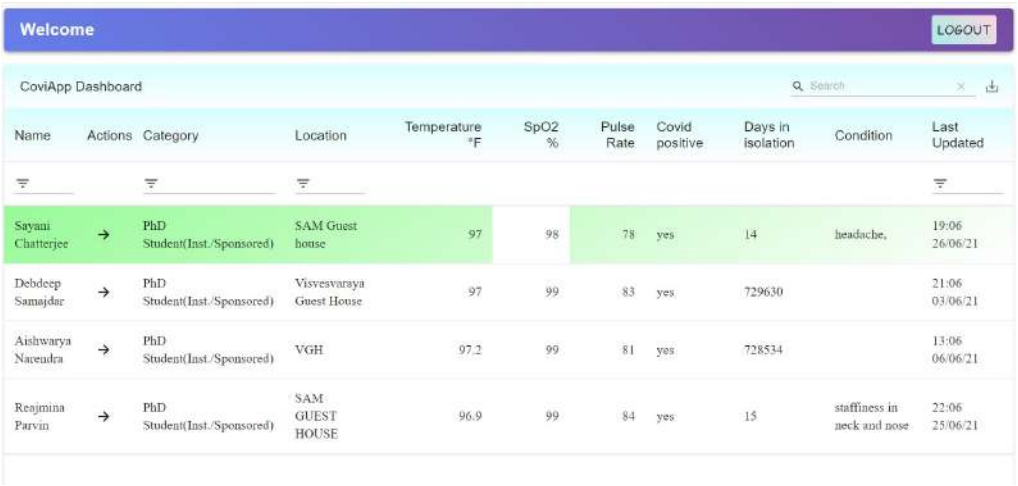
Shailendra K. Varshney
Assoc. Prof., Dept. of E&ECE

Useful links

Github repo: https://github.com/coviapp
App: https://coviapp.github.io/
Dashboard: https://coviapp.netlify.app/

App screenshots:





Dashboard screenshots