DR. SUDHIR CHANDRA SUR DEGREE ENGINEERING COLLEGE
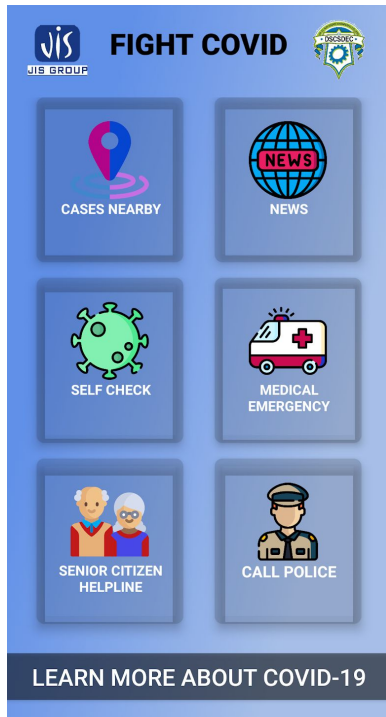

FIGHT COVID

SHUBHAJIT CHAKRABORTY- 4th Year CSE
DIPAYAN RAY - 4th Year CSE
AKASH SINHA - 4th Year CSE
ANKIT DAS - 4th Year CSE

INDEX

FIGHT COVID-Introduction

Purpose

Covid-19 -The disease causes respiratory illness (like the flu) with symptoms such as a cough, fever, and in more severe cases, difficulty breathing. Coronavirus disease spreads primarily through contact with an infected person when they cough or sneeze. It also spreads when a person touches a surface or object that has the virus on it, then touches their eyes, nose, or mouth.

Project Overview

This App will help users to get updates and stay safe as we provide a bunch of features like Pandemic tracker and provide facilities for accessing Emergency Services.

The following app is a simple initiative from the students of Dr. Sudhir Chandra Sur Degree Engineering College. The app aims to help the needful during the COVID 19 pandemic.

Project Scope

The FIGHT COVID app consists of building a front-end over Android Studio for easy modification of the UI and for different resolution for devices(Phone), making it compatible for users with Low-end devices to High-end ones.

Users can benefit from the subsequent updates regarding the pandemic in real-time using custom RSS feed providers and Cases nearby feature which shows all the probable COVID affected medical cases nearby.

APP REQUIREMENTS

This software is only available for all devices running Android™ OS versions running 4.4 (KitKat) onwards and an active internet connection for the best experience of the real-time features.

APP FEATURES

The app contains Seven features, and each feature has simple and understandable UI language in order for people to use it freely and effectively,

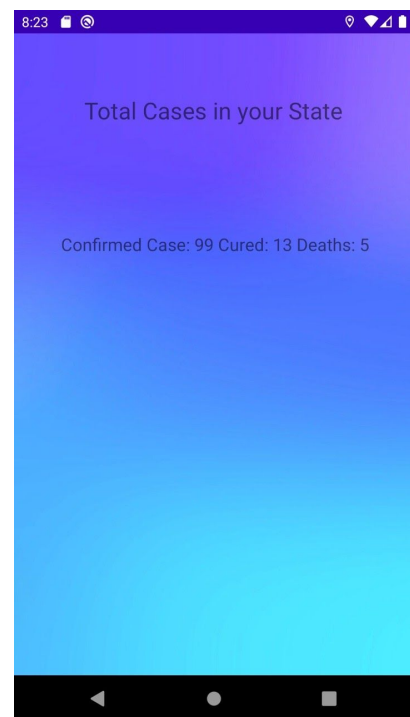Each of the seven features and a small description are listed below:-

1. CASES NEARBY - Facilitates users to check COVID-19 cases near them.
2. NEWS - For all the daily updates of the Pandemic.
3. SELF CHECK - A simple and quick feature to check symptoms of COVID 19.
4. MEDICAL EMERGENCY - One-click to call Emergency helplines in Kolkata.
5. SENIOR CITIZEN HELPLINE - A single click to call administration to take care of the elderly.
6. CALL POLICE - A single click to call Police in case of vigilance.
7. LEARN MORE ABOUT COVID-19 - The official govt, source for COVID-19 related info.

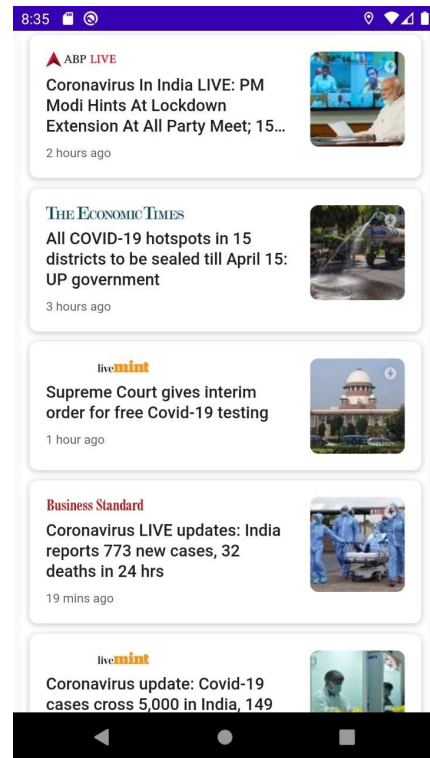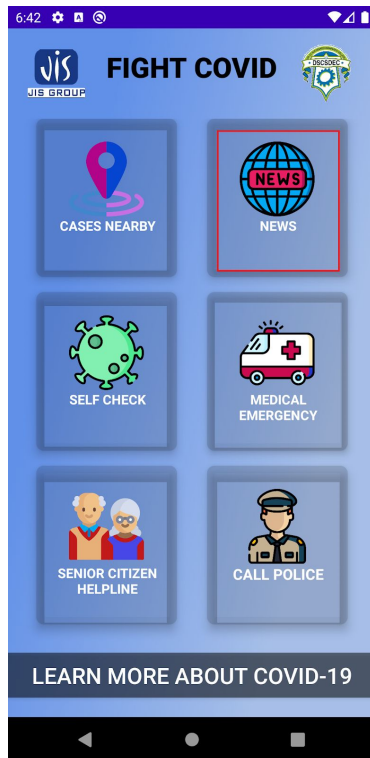# USER MANUAL

We will go through the app features one by one

1.CASES NEARBY

This will be giving accurate statistics based on the custom backend developed using the crowdsourced data near the users location.
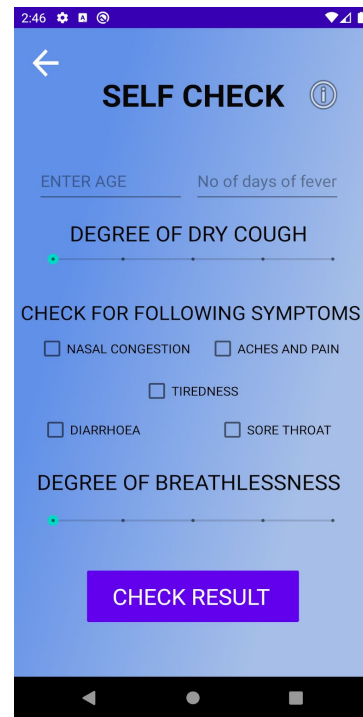
2. NEWS

This feature will allow users to stay updated using custom Covid-19 related news available.

3. SELF CHECK

This feature will help you check for symptoms in case the user feels of contracting the Virus.

Users can use it by entering the details required and in case the user's symptoms indicate him or her having the virus, the app notifies of the result and leads it to a suggestion page for the testing centers available. (FOR WEST BENGAL)
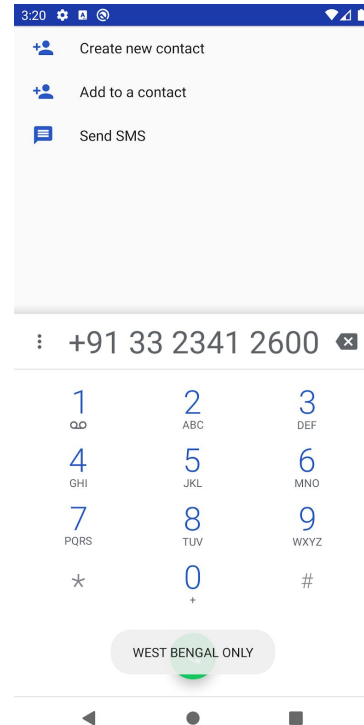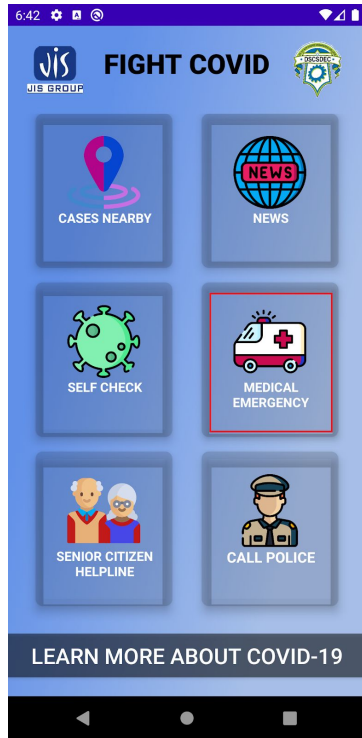
In case the user seems to have not contracted the virus:

In case the user seems to have not contracted the virus:

*subjected to alpha testing.
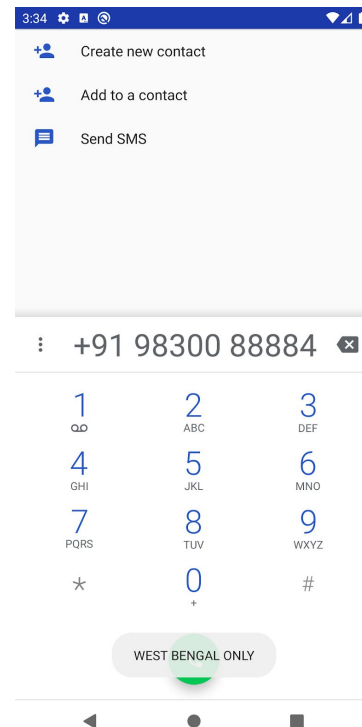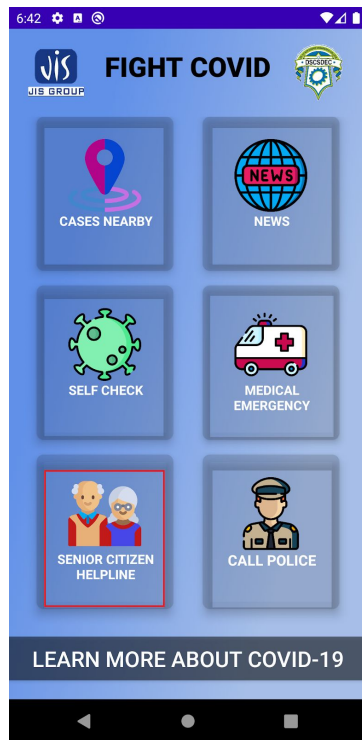
4. MEDICAL EMERGENCY

This feature helps users to contact State medical emergency services with one click.

*Now only available for West Bengal Services. We will be extending support for all states in the coming days.
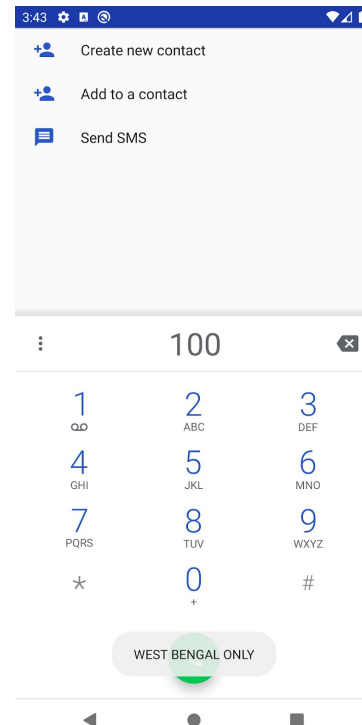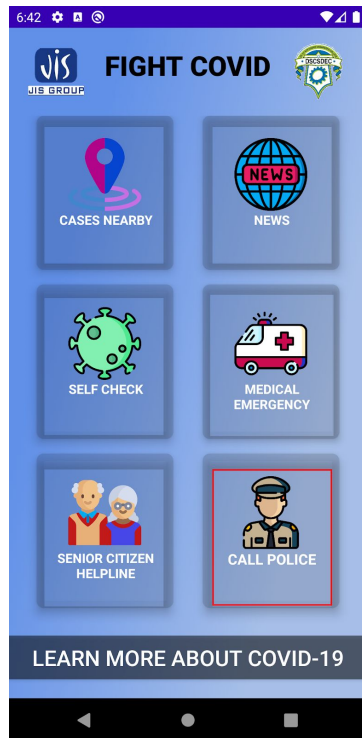
5. SENIOR CITIZEN HELPLINE

This feature helps users to contact the State Elderly helpline in case users need authorities to let know of the elderly living alone during the quarantine.

The feature for such a function is not only for call and will vary from state to state. We will be extending support in the near future.
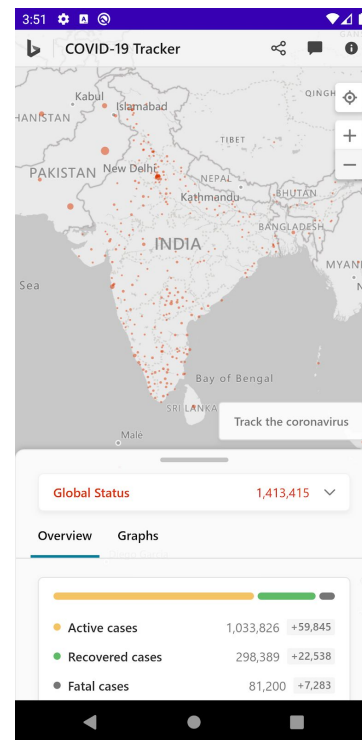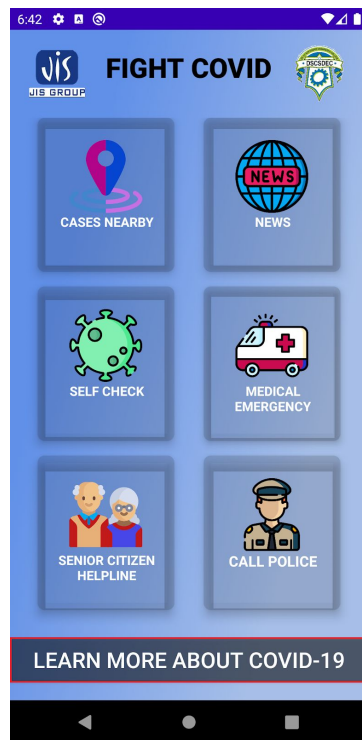
6. CALL POLICE

This feature helps users to call the Police in case of any COVID-19 based vigilantism.

We will be adding more features for states all over India and different techniques in the near future.

7. LEARN MORE ABOUT COVID-19

Coronavirus disease (COVID-19) is an infectious disease caused by a new virus..
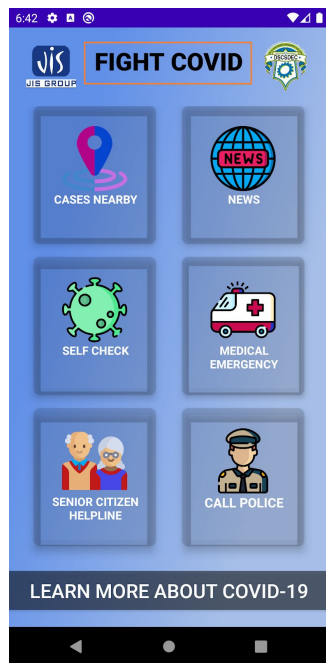

*The current worldwide COVID-19 cases are 1.45 million and counting including the numbers of deaths (83 thousand & counting) and recovered individuals (0.3 million & counting). Using available preliminary data, the median time from onset to clinical recovery for mild cases is approximately 2 weeks and is 3-6 weeks for patients with the severe or critical disease.
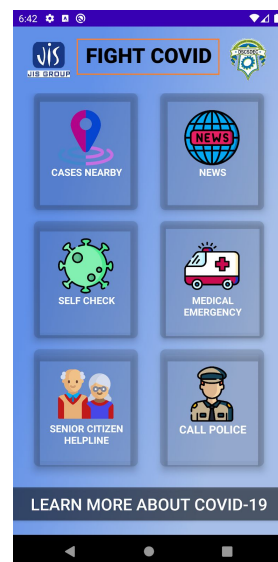
ADDITIONAL FEATURES

Users can know more about the app and the pandemic using the following features:-
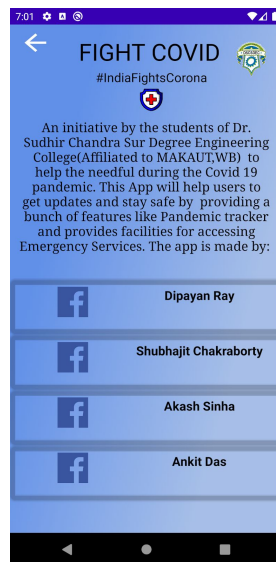
1. On clicking the app name on the top:

a. Learn More about WHO

This will show all the WHO guidelines for

COVID pandemic safety regulations from
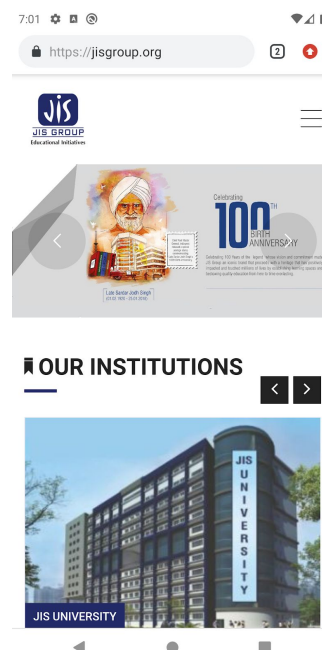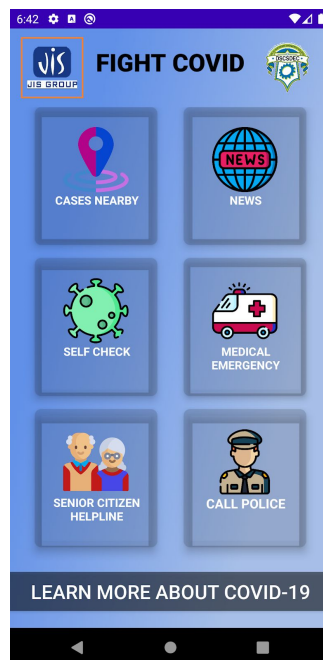
the WHO official website.

b. ABOUT US

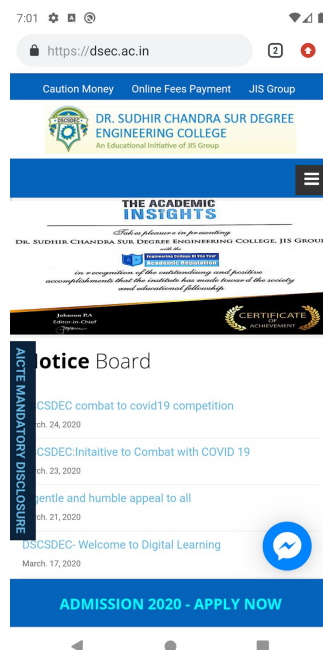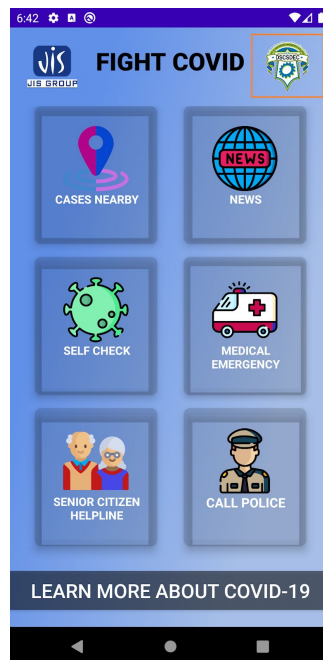Get to know about the developers and their motif for the cause.

2. On clicking the JIS LOGO:

Get to know more about the JIS GROUP and its educational and social initiatives from the official page.

3. On clicking the DSEC logo

Get to know more about Dr. Sudhir Chandra Sur Degree Engineering College (Under the Aegis of JIS GROUP) and its educational and social initiatives from the official page.

References

1. FIGHT COVID is made using ANDROID STUDIO.
2. Helpline numbers:
   a. Govt. of India issued helpline numbers source.
   b. West Bengal Govt. official website.
3. Govt of India (Ministry of Health and Family welfare).
4. WHO official website.
5. Crowdsourced patient database.
6. Bing Covid-19 tracker.

Contribution of Work

TASKS	PERFORMED BY
System Analysis	SHUBHAJIT CHAKRABORTY DIPAYAN RAY
Frontend Development	AKASH SINHA SHUBHAJIT CHAKRABORTY
Backend Development	ANKIT DAS DIPAYAN RAY
Testing	SHUBHAJIT CHAKRABORTY DIPAYAN RAY ANKIT DAS AKASH SINHA

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