COVID Care

Application Overview

COVID Care is a mobile application (Android app) to spread awareness about COVID 19 which is an infectious disease caused by the newly discovered coronavirus. The main motive of the App is to aware the people about the symptoms of COVID-19 and provide the precaution that one can take to prevent the spread of virus and stay safe during this pandemic. Also COVID care application focuses to provide accurate details of the situation of country like providing the number of confirmed cases, death cases and recovered cases on national level, state level as well as district level to some extent. A big advantage of using this application is that it provides the data directly from the websites of the government of India on the recent situation of pandemic in the country. The application provides the details about the present Health Infrastructure of the country like providing the number of rural and urban hospitals and their strength in terms of beds available on national level as well the state level or the health services which comes under state government. Also the application focuses on providing all the health advisory provided by the government of India to prevent the spread of virus and for the safety of citizens. Providing helpline number of various states is also a key factor of the application. More over COVID care application spread awareness about Stay Home Stay Safe, Maintain Social Distancing Campaign and providing the current situation of the lockdown and guidelines on various phases of lockdown.

Application Description and development

COVID Care App is developed on Android Studio using Flutter based on Dart Coding language. The application provides the data that comes from the Website of the Ministry of Home Affairs and the Ministry of Health and Family Welfare through Api calls and hence the data is accurate in terms of number. Also according to the number of cases present in the district the application defines a city to be in red orange or green zone and provides guidelines to the users. The Faqs section of the app explains some of the most asked questions on various websites along with proper answers to those questions. Wash your hands sections explains about proper way of cleaning hands with hand sanitizer according to the World Health Organization to be safe from coronavirus. The Importance of Social Distancing is explained in a interactive way .The User Interface is user interactive and simple to use. The health Infrastructure is explained with the help of data provided by Niti Aayog. The Health Infrastructure section of the application contains the number of hospitals that lie under the state and central government and the capacity of the health sector in terms of availability of beds. Also the app provides the testing capacity of the country on a daily basis fetching the data from the ICMR website twice in a day. Under the helpline section COVID Care provides the link to various official websites of the health sector. Various advisory had been placed on the stay home stay safe section to aware the users about social distancing and Home Quarantine period during this pandemic.