Android Application for Covid Care

Abstract:

The recent outbreak of COVID-19 has taken the world by surprise, forcing lockdowns and straining public health care systems. COVID-19 is known to be a highly infectious virus, and infected individuals do not initially exhibit symptoms, while some remain asymptomatic. Thus, a non-negligible fraction of the population can, at any given time, be a hidden source of transmissions. The rapid spread of COVID-19 has made manual contact tracing difficult. Thus, various public health authorities have experimented with automatic contact tracing using mobile applications. 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. Patient can acquire information around Covid 19 and resolve on their problems. Patient can get help of doctors for proper treatment for Covid 19.To tell how many days have passed since patient is positive. Also suggest nearest Covid center. In this work, we develop an android application using Android studio and java. In addition firewall framework is used to manage the firewall database. Firstly we need all patients data (medical background, physical status etc.) It also required Covid report it must be RTPCR, HRCTC can be taken but rapid will not considered. According to patient data and report it start to guide patient. If there is need of hospitalization then it will prefer nearby hospitals. By proper treatment it decide end of isolation period and start post Covid guidance.