

**CO - SHIELD APPLICATION**<sup>1</sup>Prof. Gaikwad S. T, <sup>2</sup>Prof. Mrs. Shiral S. G, <sup>3</sup>Mr. Mane A. S, <sup>4</sup>Miss. Shivgunde S. A.

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[Sachgkd12@gmail.com](mailto:Sachgkd12@gmail.com) [sheetal.shiral@gmail.com](mailto:sheetal.shiral@gmail.com)**ABSTRACT**

Social distancing is a recommended solution by the World Health Organization (WHO) to minimize the spread of COVID-19 in public places. The majority of governments and national health authorities have set the 2-m physical distancing as a mandatory safety measure in shopping centers, schools and other covered areas. Social distancing, also called “physical distancing,” means keeping a safe space between yourself and other people who are not from your household

The purpose of the Co Shield application is to store the information of each person in a crowded place. With the help of QR code and scanner, the QR code will contain information related to each person or their family and the information about where we went and this information will be on the government side so that they can immediately check all the people who come in contact with them.

**INTRODUCTION**

Corona virus Disease 2019 (COVID-19) is an infectious disease that started to proliferate from Wuhan China, in December 2019. Within a short period of time, this disease is ravaged every corner of the world and the World Health Organization declared this disease as a pandemic on 11 March 2020 This disease is caused by the strain of Severe Acute Respiratory Syndrome Corona virus 2 (SARS-CoV-2). In July 2020, cases reached almost 12 million worldwide, and death due to this disease kept rising day by day, and the death toll is 562,039 Observing the statistics and properties of COVID-19 it can be asserted that this life-threatening virus can unfurl from individual to individual via cough, sneezing, or even close contact As a result, it has become important to detect the affected people earlier and isolate them to stop further spreading of this virus.

A QR code is a type of matrix barcode invented in 1994 by the Japanese automotive company Denso Wave. A barcode is a machine-readable optical label that contains information about the item to which it is attached. In practice, QR codes often contain data for a locator, identifier, or tracker that points to a website or application. A QR code uses four standardized encoding modes to store data efficiently; extensions may also be used.

**2.1 Scope of the Project**

- This application help to identify covid cases and decrease the case rate
- In co shield application we store data of covid case and covid patient visited place
- This application contains information about the register user like Where he visited At what time he Visited How many people are with him/her we get all this information by scanning QR code.

**2.2 PROPOSED SYSTEM**

In this project we use simple technique of scanning QR code. In this application, we give scanner to customer to scan QR code. Contact detail and visited history for uniquely identify and easily tress the covid positive patient. It will help to decrease the number of covid cases. Co-Shield App is an android application. It is developed for maintain information about people. If customer scans the QR code it will automatically saves the details of them.

## IMPLEMENTATION

### 4.1 Problem Definition

- Identification of covid case is very hard, this application store's the data of patient
- Increasing the multiple case of covid in our country, this Application (Co-shield ) shows information visited place of victim

### 4.2 Module Description

- Admin panel

The admin panel can help user-related functions, such as providing insight into user behavior, dealing with profiles that violate the site's terms and conditions, and tracking. But you should know that admin sites are not just limited to user-related tasks.

- User registration

User registration systems are screens, forms, or profile pages that request information from a user to create a web-based account or profile. A user registration system generally asks a user to create a username and password, and its provide unique scanner and qr code for place.

- QR scanner registration

Is know as place registration systems are screens, forms, or profile pages that request information from to create a web-based account or profile. A hotel registration system generally asks to create a username and password, and its provide unique scanner and qr code for place

- Visit history

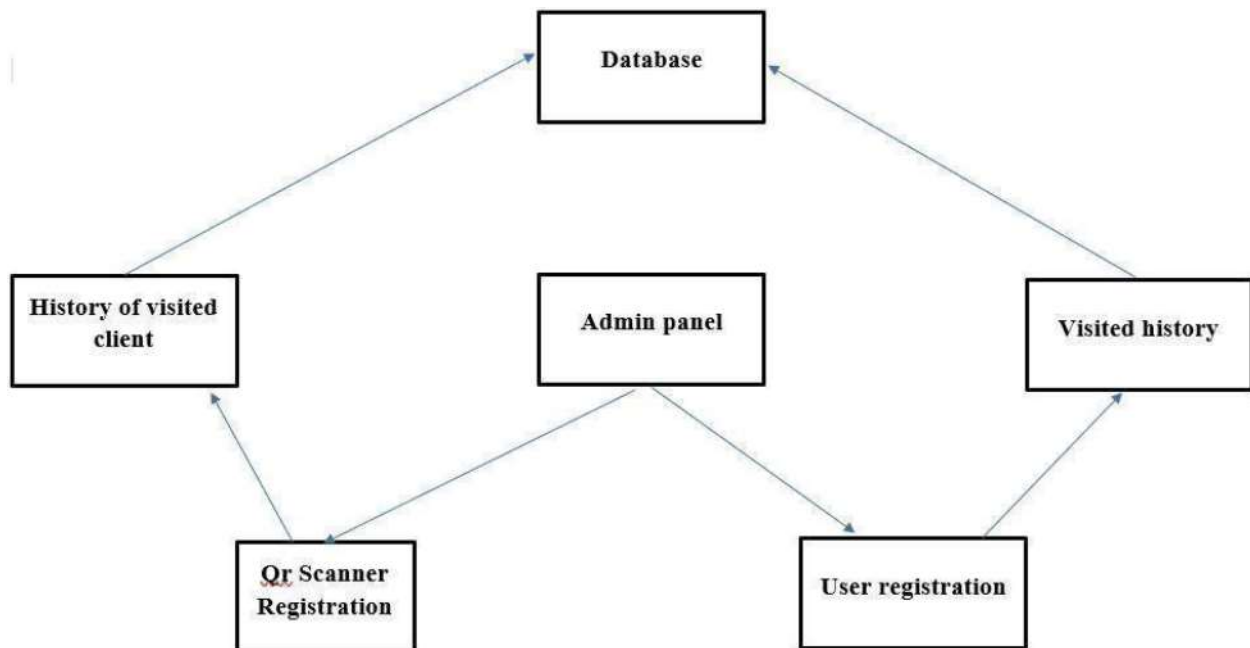
visited history refers to the list of hotels user has visited, as well as hotel name title and time of visit. its provide easily identify the user with a history list of visited place to decrees covid case.

- History of visited client

History of visited client refers to the list of user has visited, as well as name, contact and time of visit. its provide easily identify the user with a history list of other user visited in hotel or other place.

- Database

Database is an organized collection of information. A database can help you organize information about your customers and clients. A database can contain information about your visited place and history of visited user.



## CONCLUSION

The data collected by the co-shield q r code scanner is stored on the device .The encrypted user data on its servers could last beyond the purpose of tracing coronavirus. It can also be concluded that it is a promising application that can help people to be safe from corona virus.

QR codes can store contents such as text, URL links, automatic SMS messages, or any other information that can be well-established in a two-dimensional barcode. This programmed data can be decoded by scanning the barcode with a mobile device that is equipped with a camera and QR reader software. Although QR codes are very flexible and have been around for over eighteen years, their use in many fields.

In this paper, we have developed a method to expand the storage size of the QR code. We have written a software coding to compress the file which is to be stored into a QR code. Doing so, we were able to expand the limitation of QR codes, allowing it to, not only, store text files, but voice and graphical files as well. Such applications would be of particular importance in the future

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