Project Design Phase – II

Solution Requirements

Functional Requirements:

Following are the functional requirements of the proposed solution.

1)UserRegistration

It can be registered by valid Email id or Phone number

2)UserConfirmation

Verification code can received by Registering mail id or phone number

3)Alertmessagevia Notification

By user access of location while entered in the alerted area the notification are send by GPS tracking system and push the grids through mail id.

4)Showinfectedzones

Marked by Geo fencing

5)Trackalternateroutes

By Google map API or Google dependencies.

Non-functional Requirements:

Following are the non-functional requirements of the proposed Solution.

1)Usability

GUI is easier to interact with.

2)Security

The data collected from the user will be stored securely.

3)Reliability

The user can trust the results and navigate safely.

4)Performance

Accurate results can be achieved real-time location sharing.

5)Availability

Available if the network bandwidth of the user is of good range.

6)Scalability

The application can be used from anywhere and can also be implemented for both mobile and web apps for the user to interact.