Ideation Phase

Literature Survey

|  |  |
| --- | --- |
| Team ID | PNT2022TMID06568 |
| Project Name | Containment Zones Alerting |
| Maximum Marks | 2 Marks |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S.N0** | **Title** | **Author** | **Year of**  **Publications** | **Problem**  **Identify** | **Techniques**  **used** | **Drawbacks** |
| **1** | Application for  Covid-19 Real Time Counter | OmkarDhok.  et.al, | 2022 | Prevent  trespassing into these zones | APIs from  Google like Firebase and Geofencing API are used | Lack of  accuracy while in realtime |
| **2** | Digital  technologies, healthcare and Covid-19: insights  from developing and emerging nations | Mukesh Chandra  ,et.al, | 2021 | To know details  about cases | Industry 4.0  tools (3D Printing, Artificial Intelligence, Cloud Computing, Autonomous Robot, Biosensor, Telemedicine service, Internet of Things (IoT), Virtual reality, and holography) | Data and  material not available |
| **3** | Mobile  Applications for COVID-19:  Benefits, Technologies and Future Research Opportunities | Amel Kosovac ,  et.al | 2021 | Monitoring of  patients and remote assistance, monitoring and forecasting of the pandemic spreading | Artificial  Intelligence | Contact  tracing is not available |
| **4** | Development of  an Android Application for COVID-19 using Firebase and Geo-fencing | Jannaikode  Yashwanth Kumar,et.al | 2021 | Make people  aware of COVID-19 cases updates and also notify them at various situations | mobile  application using android studio and made use of Google firebase for the database | Compensating  for lose in revenues |
| **5** | Information-  Based Mobile Application to Tackle COVID- 19  Circumstances Coronavirus Disease 2019 | Sakhawat  Hossain,et.al, | 2021 | enables  healthcare professionals to monitor the status of their patients’health in real-time | Cloud  computing, AI | This  application cannot provide 100% accuracy in contact tracing |
|  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **6** | EPIDEM: A  Mobile Application to Contain Coronavirus Disease 2019 | Goetz Robert Uwe Grosche  ,et.al, | 2020 | The use of EPIDEM, lay people can monitor their infection risk for COVID-19  and isolate themselves or get themselves tested when infection risk is  high | I-optic Computing | Uneducated people cannot acces the user interface |
| **7** | COWAR: An  Android Based Mobile Application to Help Citizens and COVID-19  Warriors | Tarun Saxena , et.al, | 2020 | To spread awareness and to help the people of the world amid this COVID-19 | Fire base  ,cloud computing , AI | But not 100% Accuracy |
| **8** | Effective Contact Tracing for COVID-19  Using Mobile Phones: An Ethical Analysis of the Mandatory Use of the Aarogya Setu Application  in India | SAURAV BASU | 2020 | For contact tracing during a pandemic is a legitimate public health intervention | Contact Tracing  ,Bluetooth interface ,GPS. | Due to privacy contact tracing is not possible |
| **9** | Cluster containment strategy: addressing Zika virus outbreak in Rajasthan, India | Ruchi Singh  ,et.al, | 2020 | A containment strategy inclusive of extensive active surveillance with strong laboratory support, vigorous implementation  of vector | Cloud computing , GPS Tracking | Lack of 100% accuracy |
| **10** | Development of An Android Application for Viewing Covid-19 Containment Zones  and Monitoring Violators Who  are Trespassing | Ranajoy Mallik  ,et.al, | 2019 | which can inform people of the Covid-19 containment zones and prevent trespassing into these zones | Android , Geo-fencing · Firebase · Location tracking | There is no proper arrangement of this application |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | into It Using Firebase  and Geofencing |  |  |  |  |  |
| **11** | COVID-19  infection: Disease detection and Mobile Technology | Amar Shankar Mishra , et.al, | 2019 | which is helpful to detect the disease as well as It can help to aware people stay safe and adopt necessary precaution in  some areas | Fire base , cloud computing , GPS Tracking | There are no conflicts of interest |
| **12** | COVID-19  Quarantine Monitoring Based on Geofencing Technique | Nawar Alqrnawi  ,et.a , | 2019 | Introduced as an application to implement a home/local quarantine policy using bracelets that fit the boundaries of  smartphone | geofence technology  ,GPS&GSM  modules and a microcontroller | DATA and materials not available |
| **13** | COVID-19  intelligent tracking platform | Samer Ibrahim Mohamed | 2019 | The app is able to successfully track users and create a statistic of all users registered with their real- time status and show hospitals  for users | Tracking, AI , Firebase | There is a bug and cannot provide 100  % accuracy |
| **14** | Proximity Tracing Method to reduce Community Spread of COVID 19 | Sonia Duggal  .et.al , | 2019 | An alert SMS is sent to the users individually to take preventive measures | IOT , GPS ,  firebase | The unavailability of exact data and total dependency  is on IMEI number |
| **15** | A Review of the Aarogya Setu Digital Contact Tracing Mobile Application of the Government of India in response to the Novel Corona  Virus COVID-19 | Rian Puri | 2019 | Helps to track the rapid cluster and community spread of COVID-19 | GPS , Bluetooh devices ,AI | It requires gps always ON |