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Nearest I.C.M.R Lab Tracker in Distributed System

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Abstract -India has been reporting the cases of coronavirus disease 2019 (COVID-19) since January 30, 2020. The coverage and frequency of ICMR's laboratory surveillance for SARS-CoV-2 improved over time. COVID-19 was reported from most parts of India, and the attack rate was more among men and the elderly and common among close contacts. Analysis of the data indicates that for further insight, additional surveillance tools and strategies at the national and sub-national levels are needed. Due to Lack of information. People are not able to find nearby I.C.M.R. There is urgent need of a system where someone can find the list of I.CM.R lab in their district and with one click they should be able to find nearest I.C.M.R lab from their current location

Key Words: Attack rate, I.CM.R Lab, descriptive epidemiology, epidemic curve, positivity, SARS-CoV-2, testing rate, I.C.M.R lab, location.

1.INTRODUCTION

Since the first report of Coronavirus Disease 2019 (COVID-19) in Wuhan, China, December 2019, it has affected more than 200 countries and regions around the world, two of whichMillion cases and more than 120,000 deaths by 21 April 2020. With this growing crisis, companies and researchers around the world are looking for ways to do this.

To meet the challenges of this virus, reduce the spread and develop a cure for the disease. In this shocking battle, science and technology is playing an important role.

The fastest way to help India survive the COVID-19 pandemic involves building AI toolsLeverage local

public-private-partnership and global data collaboration. Statement that the government will partner with private industry in areas where there is a shortage of government

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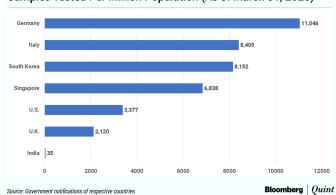
Or unable to provide services, with the idea that machine learning and artificial intelligence (AI) will be essential for providing health services to the people of India. This is exactly what is needed today.

2. Body

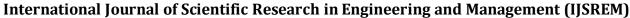
The current situation of covid-19 has disastrous effect on our day to day life. Moreover the situation of covid-19 in village and ruler is very grim. People due to lack of information of nearest labs are not able to go for test which is the main reason of ever increasing covid-19 cases in India. To stop the spreading of covid-19 virus more testing is required. Testing of all people for covid-19 including those who are asymptomatic and symptomatic and who may have been exposed to the virus will help prevent the spread of covid-19 by identifying the people who really need cares.



Samples Tested Per Million Population (As of March 31, 2020)



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There is a need of system for finding nearest I.CM.R lab in distributed network. The system shows the location of nearest I.C.M.R lab based on person current location. In India lack of information about nearest I.C.M.R lab is causing the underreporting of covid-19. As people are not able to know where the nearest I.C.M.R lab from their location is.

More Tests, More Positive Cases 1,400 1,400 1,200 1,200 1,200 1,0

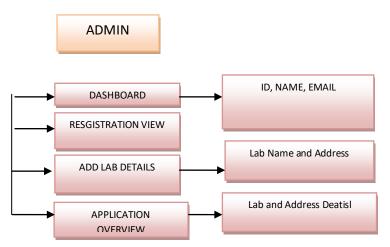
Methodology

Modules

A. Admin

The first module will be the Admin Module whose key responsibilities are as follows:

- Maintaining the Dashboard
- Viewing the Registration of Users
- Add and updateI.C.M.R Lab Details.
- View Contact and Application.
- Provide 24*7 assistance.



In the admin module admin can add, update and see lab details and see the user information and can update it DASHBOARD

DASHBOARD

DASHBOARD

DASHBOARD

DASHBOARD

DASHBOARD

See ALL the lab list, search for nearest lab and get direction

Nearest LC M.R. lab list

Get nearest I.C.M.R. Lab based

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on your locatiom

The user first need to sign up for the app and after successful email verification he has given the



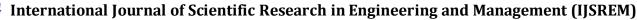
access of site. After login the user get dashboard like below:

The user now needs to search for any lab or location to see the details. He also can use to locate the nearest lab from his location from a button click.

The fastest way to help India survive the COVID-19 pandemic involves building AI tools by leveraging Local Public-Private-Partnerships and Global Data Collaboration. Predicting COVID-19 progression at population level to create detailed disease models to drive health policy and infrastructure readiness related decisions.

Diagnosing COVID-19 using medical imagingbased AI techniques making highly trained specialist doctors more effective and efficient.

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3. CONCLUSIONS

The motivation for the current study is not limited to assessing the effects of the delineated processes alone but also to determining their use. It shows the reader the applications of AI and presents an underlying picture of how modern technology can react to the COVID-19 epidemic. With the use of technology we can help to increase the testing of COVID-19 drastically and saves the lives of millions. For this the system helps to find the nearest lab from the user's current location

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