ANALYSIS OF COVID-19 PANDEMIC IMPACT

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ABSTRACT

A couple of months prior, we were carrying on with a totally unique life, not knowing how rapidly things would change. The Coronavirus is an overall disturbing impact that has compelled us all to get together and endeavor to stop it. This research is about building a web site that offer useful data to help fight against Covid-19 pandemic. This application is for everyone who need to consider the current situation concerning this pandemic time in general over world and if a customer needs to search for information about Covid-19 cases in their domain. For using this application one just need to have a latest cell phone or laptop with web access. The communicated inspiration driving this application is to spread experience with Covid-19. With informing system, it endeavors to choose the peril on the off chance that one has been very nearly a Covid-19 debased individual, by investigating an informational collection of identified cases through India. Using territory information, it chooses if the region one is in has a spot with one of the contaminated zones reliant upon the information accessible.

Keywords- Covid-19, Swasthya Sahayak, Pandemic, web application, smartphone, login

I. INTRODUCTION

The fundamental reason for the examination is to build up a web application outline joined with the responsive website architecture innovation. It offers an essential normal model which can be utilized by ‘Swasthya Sahayak’ portable application improvement later on. The prime objective is to design such a system for users that will resolve the problem of users facing difficulties during Covid-19. This system is consisting of only two phases one is self-assessing and update on Covid-19 cases. Users have to first assess themselves according to their symptoms. Based on the selected scenario user can check the risk level. Users can also access data of Covid-19 cases in graphical view which provides a better understanding. Users can also go through state-wise conditions. The proposed system will allow the developer to attain relevant knowledge and concepts in specializing Django based web development and authoring tool. The objectives are disreputably emphasized on its concepts and ideas rather than trained expertise. The developer would have to undergo various sections of web application development using python and its well-known web framework named Django.

II. PROBLEM DESCRIPTION

The main problem is that the manual accessing of Covid-19 virus does not tell correct risk profile to the users and they cannot access themselves because of not knowing the correct symptoms of this virus. The answer for the present framework is to build up a framework that will deal with all the above issues. Because users are asked several questions in manual accessing and consume more time and efforts, the proposed framework will work upon this present issues. To determine the level of risk of getting Covid-19 it is important to know about the symptoms of Covid-19. Users can access data of cases in interacting graphical view. The user can see all the information related to Covid-19 symptoms. Users can view the list of state-wise cases. To buildthisweb application, theanalystwouldneed to experiencesome significant difficulties during the improvementlike: To actualize the ideas and thoughts associated with the Django which is the notable web structure of Python Language. The essential test in building up this web application would execute the idea of web services to speak with the database to adjust with the application and to bring the important information. To understand the communication standards between the human and the computing devices and to build up the application remembering the execution of each one of those
standards which will legitimize the fruitful usage of the application. To actualize the ideas and thoughts associated with versatile business to build up the portable application.

III. LITERATURE REVIEW

The idea came to the mind of the developer while going through the different blogs on the internet in search of information about the pandemic caused by the covid-19 virus. The developer has seen that the user has to go through different blogs to get the particular information and it results in mess up and also it consumes a lot of time of the user. Then the developer has to crack the idea in his mind why not do this in a single website. As we also know that we are in that era where websites are common for every user. If we take the hundred people 95% of the people having their smartphone in their hand so why not, we develop a website for that.

V. Kachroo introduced a possible strategy for transmission, definitions, some fundamental assurance, treatment being proceeded in India. The creators additionally described the Corona cases as suspect, likely and confirmed case [1].

R. Gupta et al. presented the current situation of Corona spread in India and the impact of various evaluations taken for it. Using exponential and polynomial regression showing, the estimate of up to 75000 cases had been done before the finish of April 2020 [2].

P.K. Jena highlighted on critical impacts of “Covid-19 on Higher Educational Institutes (HEIs)in India”. A couple of evaluations engaged by HEIs and educational experts of India to offer reliable informational sorts of help during the crisis are analyzed. In light of the Covid-19 pandemic, various new techniques for learning, new perspectives, new examples emerge and the identical may continue as we go on to another tomorrow [3].

A. Brodeur et al. discussed about the Covid-19 financial issues that has been carried out in restricted time. Creators raised that cases and deathssuffer from ill effects of estimation mistake because of numerous elements including testing limit. Versatility gauges using GPS from telephones have been used broadly to quantify social removing. Regardless, certain reprobation’s that apply, particularly to the extent security concerns and the representativeness of data [4].

N. Aggarwal et al. investigated the effect of Covid-19 on the day by day life of low-pay families across India. The creators introduced the proof from a board review led in three adjusts by Dvara research. Cycle 1 of the study was held from April 23 to May 7, cycle 2 from May 15 to May 27, and cycle 3 from June 19 to July 6 [5].

S. Prinja et al. estimated the effectiveness of 8-week lockdown along with varying level of restrictions. The authors used the SEIR mathematical model to predict the health outcomes under different levels of constraints [6].

R. Buddy et al. examined the Corona pandemic effects and what were the reason behind it that India has seen a massiveness of cases in the previous three weeks. As of April 30th, thirty-three thousand six hundred ten confirmed cases and one thousand seventy-five deceased have been accounted for from 32 states in India [7].

S. Udhaya et al. audited the current situation of Covid-19 in India which says that as of May eighth, 2020, 56,342 positive cases have been accounted for. Also, the Indian government executed a 55-days lockdown all through the country that was begun on walk 25th, 2020, to decrease the transmission of the Covid [8].

M. Pathak recommended that Indian analysts are reasonably doing admirably in COVID-19 examination. There are different exploration foundations which have teamed up globally with China, USA, England and 67 different nations in COVID-19 examination [9].

A.F. Siddiqui et al. researched the outcome of COVID-19 through screening and observation strategies embraced in India, just as the potential wellbeing framework, social, political, and financial outcomes. The examination was done in a sequential way, and information was gathered between 30 January 2020 till 12 June 2020 [10].

IV. IMPACT OF COVID-19 VIRUS PANDEMIC ON SOCIETY

The impact of Covid-19 is visible across all sectors globally and in India. This pandemic has infected millions of people. The first instance of Covid-19 in Quite a while was accounted for on January 30, 2020 and as of May 25, 2021, confirmed cases remain at 2,71,69,266 with 25,02,577 active cases. This emergency will influence economy
as at no other time prompting enormous psycho-social effects also. Social pressure brought about by lockdown has numerous appearances and reasons coming about because of travelling limitations and restricted medical care services. Closing of schools and universities influencing the two understudies and guardians in regards to the scholarly year and loss of value instruction. The issue of migrant laborers was one of the cruelest and featured issue in this pandemic where millions were delivered jobless and abandoned without cash, food and safe house, a few gathering with mishaps and passing on their way.

**Figure 1: Impact of Covid-19**

**Figure 2: Case Analysis 1**

**Figure 3: Case Analysis 2**
V. IMPLEMENTATION

After the fulfilment of the design stage, the developer examined that the prerequisites cited down needed to meet the proposed framework improvement mapping. The implementation stage is quite possibly the most fundamental phases of any task as the designer would attempt to actualize the framework plan into a genuine framework. The implementation stage includes the clear utilization of apparatuses to change over the plan modules into a genuine working framework. For dealing with the genuine framework, the essential for the designer would be a programming language and a programming instrument. The engineer needed to go through a progression of blunders which was discouraging the usage residency. This part further illuminates how the plan has been actualized and what were the weaknesses during the thinking about the framework.

VI. RESULTS

This web application is deployed to https://covidbuddy2021.herokuapp.com/ for better understanding of the Covid-19 cases in India. At any time, user check the present situation of the Covid-19 cases state wise. The Last updated option will show the date and time when the Covid data was last updated of a particular State.
Figure 7: Confirmed cases of India state-wise

Figure 7 shows the confirmed cases of Covid-19 in India. This state-wise data gives the accurate information about the number of cases by a particular time and date.

Figure 8: Recovered cases of India state-wise

Figure 8 displays the state-wise recovered cases of Covid-19. This data is helpful to figure out the normal state of health of Indian population.
Figure 9 depicts the active case of India. Active cases are the outcomes of the number of confirmed cases minus the number of recovered cases and deaths. It is the number of cases still considered to be infectious.

Figure 10 shows death cases in India. We have to protect ourselves against this dangerous pandemic of China by knowing the facts and taking appropriate precautions. The second wave of Covid-19 has been also started in India with a new variant which is more hazardous. The death rate can be reduced with preventive measures and proper follow-ups of the Government guidelines.

VII. CONCLUSION

The proposed framework named “Swasthya Sahayak” has demonstrated to be fundamentally helpful for all the users. For using this system one just need to have a smartphone or computer. The framework has settled the issues that were discussed in the literature. Authors understand that by using Swasthya Sahayak we save lots of time. Anyone can easily track the number of cases of COVID-19 around the country on a single platform. The main purpose is to help you find out whether you are at risk of being diagnosed with Covid-19 or not. Additionally, the self-assessment test, also see some tips on how to stay healthy. It is not possible to develop a system that meets all
the requirements of the user. User requirements keep changing as the systems being used with time. Some of the future enhancements that can be done to this system are: The developer will develop an android application of this dashboard. Add features of online appointments from doctors. Add time to time notification for health issues. Make this dashboard live on the server.

REFERENCES