COVID19 SYMPTOMS REPORTER AND ANALYZER CHATBOT

EXECUTIVE SUMMARY

We have studied the COVID19 pandemic and performed many research on how technology could be used to assist healthcare in eradicating the virus in the state. The following sums up our research.

The Objective

We have created an intelligent Chabot app using artificial intelligence that understands people intents and able to match them with the pandemic symptoms for analyzing. The Chabot could be able to do the followings;

- Collect Symptoms from the people with their information.
- Analyze the symptoms and filter out the only symptoms relating to COVID19.
- Sends the healthcare immediate report with COVID19 suspected case.
- Encourage the suspected patient and educate them on how to quarantine self before the healthcare team arrives.

The Opportunity

- The Chabot will be accessed by everyone both in rural and urban communities through phone messaging, App and web interface.
- Internet is not an issue in collecting symptoms as people could just send text messages to the healthcare dedicated phone number to access the Chabot and send their symptoms.
- The system could also be used for other pandemics not relating to COVID19
- The spread of infections will reduce as people will be guided on how to stay save when a suspected case is discovered even before the health care teams arrives.
- Access to individual information including their geolocations and where the communication is coming from.
- Reduction of expenses from house to house monitor and test.

PROBLEM STATEMENT

Testing individual people in communities for COVID19 virus is very expensive, stressful and dangerous task for the Government and Healthcare workers across the state.

We have highlighted some of the problems that made us designed this solutions below.

- Insufficient fund to perform individual home testing.
- Patient with suspected symptoms might want to transport themselves from their home to the hospital to report their symptoms which might cause the spread of the virus to others.
- Fear of healthcare workers from being infected during testing or communicating with patients.
- Stress of healthcare workers trying to retrieve data from the public towards the pandemic.
- Delay in communications if suspected cases are detected in the community for reporting.

HOW IT WORKS

The Chabot has 2 different access levels in which people could communicate with it.

1. Through SMS

With any type of phone, people could be able to communicate with the Chabot to send their symptoms for reporting through SMS text messaging.

The Chabot has a dedicated phone number that will be broadcasted to people to use for reporting their symptoms.

Once the Chabot receives any message from someone, it prompts for the patient details and symptoms which will be immediately analyzed. If the symptoms inputted is relating to COVID19, the health care system will be immediately alerted and the Chabot will educate the patient on how to perform self-quarantine pending the time the healthcare system arrives.

For demo on this, please send a message to +18153936017 to see how the Chabot will respond back.

2. Through Web Interface

People with internet access, could also send their symptoms using the Chabot on the website.

For demo on this, please visit https://covid19.mitnets.com to see how it works.

Please note that this is just a demo and everything will be changed to the Health Care Property with customization once signed.

NEXT STEPS

1. We will appreciate if you could give us some time or schedule an appointment day for us to give a demo presentation of how our solution works and how it will assist the healthcare in the state.

2. If you'd like to speak to us by phone, don't hesitate to call

3. If you have any questions at all, please let us know. We're happy to clarify any points and there may be some items that we can sort out together. We're committed to finding the best way to work together.

Thanks for reading our letter and we hope to hear from you soon.

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