ASSIGNMENT

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On

SOLUTION PROVIDED BIOMEDICAL ENGINEER DURING COVID PANDEMIC

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1 Introduction

COVID is a huge problem faced by people all over the world .It a crisis which change the world in perspective of economy,source, population,etc. As we seen at the starting of COVID people losses their l life rapidly, because they are unable to understand the symptoms,or they avoid precautions lack of doctor and beds in hospitals,etc. To seeing this problem our biomedical engineer make some equipment and include some technology which helps out doctor and patient as well. in this section we will discuss about few of them technologies and how our engineers work like a hero during COVID pandemic.

Let's discuss few of technologies which helps during COVID———-

1.1 Sanatizing

During COVID Sanatizing is a very important . Some people were sanatize themselves but they were be a part of this crisis because they Sanatizing themselve but they can't sanatize what they touch. And it will be difficult to sanatize everything. We can't sanatize our electronic things because sanatizer consist of water which may be damage our electronics also we can't sanatize papers and others thing because it may be harm them. So thinking about it our engineers introduce some Sanatizing technology . Such as COVID disinfectant box,nano silver technology , etc

1.2 Disinfectant Box

Disinfectant Box helps to Sanatizing our electronic,paper and others without harming them. Also it will be automated so after Sanatizing it will be off by itself.

1.3 Nano silver technology

A conventional sanatizer is harming our skin as it's contain chemical also it consumes lots of water. So for solving these there a new technology given by engineer is nano silver technology which sanatize by consuming less water and without harming our skin also.

1.4 Contactless COVID Testing

COVID Testing is needed on a large scale to test as many people as possible,but manaual COVID test booth pose a large scale .Smart IOT COVID test booth automator for paperless registration and online simple linking. As it's a contact less COVID Testing so it helps to prohibited or spreading a virus due to contact.

1.5 Virtual Doctor Robot

As during COVID people need doctor at every place every time but it can't be possible to available at everytime. Also online video call limit the doctor capacity to a stationary laptop or mobile screen.So for solving these problem our biomedical engineer introduce a virtual doctor robot, which move around and make contact at remote hospital.

1.6 Patient Health Monitor During Quarantine

During COVID 19 it is necessity to monitoring the health of a COVID infected person . But due to invasive number of COVID case it is impossible to keep a track on every patient

health condition. Also contact of doctor with COVID affected person ,it may infected to our doctor for monitoring purpose.So, Biomedical Engineer thinking about doctor and patient health,they introduced, remote patient health monitoring that tracks patient vital remotely.

1.7 Oximeter

Accurately determine your SPO2 (blood oxygen saturation levels), pulse rate in 10 seconds and display it conveniently on a large LED display.

2 Conclusion

By these sections we conclud that how biomedical engineer helps in COVID 19 . As also we need help of biomedical engineer in future. We have tired to access the impact of biomedical engineering in trackling the COVID 19.Together the engineering and medical field have workedto address area of critical need including the production and delivery of personal protective equipment, ventilator as well as creation of viable vaccine.The fight against COVID 19 had helped

highlights the works and contribution of so many proffessional in bioengineering field who are working continuously to help our health services cope.