

# IOT VIRTUAL DOCTOR ROBOT WITH OXYGEN LEVEL DETECTOR

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## **ABSTRACT**

*This project investigates the potential of Health care which is the aim of the Home Health Care Systems in near future. Doctors are usually needed to work at every hospital and emergency center every now and then. But it is not feasible for every doctor to be available at every place at desired time.*

*The problem with video calling is that video calls need to be done from a PC or laptop on a desk. This limits the doctors capacity to view patients or around the operation theater at will or even move through hospital rooms as needed.*

*To help solve this issue we here develop a virtual doctor robot that allows a doctor to virtually move around at a remote location at will and even talk to people at remote location as desired and a person's oxygen level will be monitored for every 10 minutes.*

# Problem Statement Addressed

- Health support of each individual should be considered as very important in today's world because of a rise in many health problems. If there is an increase in the number of patients, then this leads to a decrease in the relative number of doctors. As a result, the diagnostics are delayed or some patients are ignored. This makes patients more dependent on doctors for their check-up.
- Keeping all these issues in mind, healthcare systems have started connecting with IoT for maintaining the digital identity of each and every patient. Due to non availability of doctors/caregivers and not being able to access the healthcare systems, many health problems are getting undetected in the healthcare system. On the other hand, these IoT based healthcare systems have helped the patients and doctors to continuously monitor and easily analyze the patient data.
- To avoid this problem, IoT has ensured the personalization of infant healthcare by maintaining the digital identity of infants each and every moment. By making use of IoT smart sensors, the infant's health can be monitored, data can be collected, and realtime information of the infants each and every moment can be sent to their parents.

## BLOCK DIAGRAM

