



IOT BASED VIRTUAL DOCTOR ROBOT

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Abstract

Healthcare monitoring real time data transferring system in hospitals and other health sectors has tremendous growth, and these healthcare monitoring system having advanced technologies becoming one of the best approach across globe nowadays. The system using smart technology in iot sector for monitoring the patient's basic health parameters which are required for the doctors for further treatment. In this system sensors are used to capture the real time data of basic parameters such as temperature, O2 level and heart rate of the patient from hospital environment. In older days the Traditional method in order to measure all the basic parameters the doctor needs to visit the patient's ward. So there are major problems that the doctor's have to face while checking the patient is that the doctor needs to be present physically at the patients location and second major problem is that if the patient is having contagious disease so it is harmful for the doctor's health also. So in order to prevent these problems we need to have such a system that can collect all the required parameter data i.e. real time data without any contact with the patient we need IoT based virtual doctor robot it is nothing but the parameter monitoring system that can monitor basic parameters such as human body temperature, heart rate and oxygen level of the patient for further suitable treatment. It includes connecting the patient with the doctor, collecting and transferring real time data and monitoring the collected data. To alert the doctor with patient's current status and information. Adopting this strategy in these regions not only contributes to health emergencies, epidemics and pandemics like COVID. But also increases survival rates. Our whole system is controlled and monitored by microcontrollers and also by Internet of Things

Keywords: Virtual Doctor Robot, dispense medicines prescription, Health parameters.

1. INTRODUCTION

Technology in biomedical field is the blessing for human society. But we can see in our daily routine most of the people don't take care of their health seriously. Problems such as cancer and various diseases due to which death rate is increasing because of poor medical infrastructure. So for better observation of health at personal level medical kits are best option. In older days due to lack of technology and facilities doctors were not able to attend all the patient on time, so there was chances of patient death. But nowadays because of this technology doctors can connect with the patient virtually. The doctors can collect all the basic parameters which are required for their treatment so if there is an emergency the doctors can take preventive action instantly so chances of deaths are reducing. As we can see technology like iot is completely dominating the future for development of health sector, iot is nothing but a blessing for us which connects humans with the technology. It includes uses of various

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BOMBAY CERTIFICATE OF PUBLICATION

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