ABSTRACT

Our World is worried about these Pandemic Situations. We should fight against this truculent virus because the probability of mortality rate in our world is rapidly increasing so we people have paved a path of telehealth care communication for CVD(Cardiovascular Disease) patients. Our New Innovation concerns rural area patients with the help of doctors.Our current situation at home is better than a hospital visit. So what only we people introduce telehealth communication also. By the use of digital phonocardiogram devices, Doctors can easily get your recorded heart sounds from cloud computing and visualise the phonocardiogram data using the mobile application to diagnose the problem.

Cardiovascular Disease is a type of heart illness majorly it affects our heart and blood vessels in our body. So the heart sounds like endangered murmurs and unnecessary noise. Through reckoning, we introduce a sophisticated new innovation Phonocardiogram for instant diagnosis. Phonocardiogram is an advanced technology. Acoustic or traditional stethoscope is only for auscultation or listening to the heart sounds. In the Rudimentary of traditional or acoustics stethoscopes there is a doctor or nurse only able to use it. Because they can only ensure to check heart beats and pulse rate. But our new innovation rural or illiterate people can easily afford and use it. Phonocardiogram is a heart monitoring device, it can convert Bio-signal as information into phonocardiography format. We are implementing data acquisition and data analysis.

This device requires a preamplifier to convert weak signals into strong signals. filters, it can remove unwanted noise like artifacts from the original signal and improves noise to signal ratio. Device get sound from diaphragm(stethoscope head) placed in your chest, automatically it auscultate heart sounds and amplify heart sounds and audio information sent to our personal laptop or mobile and recorded data save in cloud computing and doctor can easily see it and consult the patients, for that we developed a pulse rate app.

It happens like heart sound auscultation, noise removal, data sent to cloud computing, data comparison and data analysis by using matlab and doctor get that data

It helps patients to talk with doctors, so we called it a telemonitoring device. Sounds consisting of larger frequency is transmitted through diaphragm and low frequency are transmitted through a bell.