Project Design Phase-I - Solution Fit

Project Title: classification of arrhythmia by using deep learning with 2-d ECG spectral image representation

Team Id: PNT2022TMID16055

1.PATIENT SEGMENT(S)

2.PROBLEM

3. PATIENT CONSTRAINTS

As short as possible statement

The people who affect by arrhythmia disease and the patient heart follows beating too fast or slow or irregular beating pattern. It could mean that the heart is beating too fast tachycardia (more than 100 beats per minute (bpm)) or slow bradycardia (less than 60 bpm).

The specific problem we are targeting in the short term

Arrhythmia is a representative type of CVD that refers to any irregular change from normal heart rhythms. There are several types of arrhythmia are present,

> To know the different types of arrhythmias use deep twodimensional CNN with grayscale ECG images, so We develop a model with a web application.

segment derives from your offering

Physical symptoms, including weakness, shortness of breath, chest pain, and tiredness, might be evident. The clues may influence an influence on one's style of living and trigger anxiety about unforeseen difficulties that might make normal duties challenging.

ECG traces captured by IoT nodes are employed in smart healthcare applications to identify patient arrhythmias.

Alternative decisions

ONLINE:Through internet platforms, doctors can soon discover the status of an arrhythmia.

OFFLINE:Patients are aware of the in-person monitoring of their heart rhythms, which enables doctors to respond right away.

What do your customers use, if not you

Our solution define different types of arrhythmias, we use deep two-dimensional CNN with ECG images, so we developed a model with a web application

The one thing that sets you apart the most from the competitive alternatives

4.AVAILABLE SOLUTION

5.CHANNELS OF BEHAVIOUR

6.OUR SOLUTION

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