

IDEATION PHASE

Date	06 OCTOBER 2022
Team ID	PNT2022TMID01033
Project Name	Classification Of Arrhythmia By Using Deep Learning With 2-D ECG Spectral Image Representation

1. PROBLEM STATEMENT

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Patient suffering from Arrhythmia has to be treated as early as possible and each arrhythmia has its own treatment so it might be risky to the patient, if detected late or the possibility of medical errors by doctors as ECG are reviewed manually

2.BRAINSTROM

A KANISHYA

S KALAISELVI

Load balancing among the doctors to reduce work overload

Having separate section for analysing the ECG to provide instant results

Affordable price even by a common man

less cost when compared to normal check ups

Time saving

Reduces waiting in the queues

Having an expert analysis for accuracy

Able to contact doctors anytime and anywhere for reducing time

Having someone to appeal to if in case needed for clarity

Track the symptoms at every activities of the Patients

24 x 7 monitoring of the patient

Analysis done in mobility too

Giving general suggestions by the doctor before classifying Arrhythmia is much appreciated for saving patients life

Need for doctors help in analysing is reduced

KIRUTHIKA V

BHUVANA K

Help diagnose and monitor condition affecting the heart

Saving patient's life through constant diagnosing

Investigate symptoms of possible heart problem

instant results obtained in mobility

use innovative technology

To provide an integrated curative and preventive health care

Providing instant solution for patient through diagnosis

Highly accurate information of heart action

Continuous monitoring of heart activities

Develop an effective communication strategy

Identify vulnerable Areas

Keep contact details updated

Simple and fast for detecting problems

Establishment of a managed care system should already be implemented in hospitals. Improvement can lead to the more efficient running of daily tasks

3.GROUP IDEAS

CLOUD COMPUTING.

24 x 7 monitoring of the patient

Track the symptoms at every activities of the Patients

Analysis done in mobility too

Saving patient's life through constant diagnosing

Continuous monitoring of heart activities

TIP

Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

ARTIFICIAL INTELLIGENCE.

Help diagnose and monitor condition affecting the heart

Investigate symptoms of possible heart problem

Reduces waiting in the queues

Time saving

instant results obtained in mobility

Highly accurate information of heart action

Need for doctors help in analysing is reduced

MANUAL COMPENSATION

Load balancing among the doctors to reduce work overload

Having someone to appeal to if in case needed for clarity

Establishment of a managed care system should already be implemented in hospitals, but its improvement can lead to the more efficient running of daily tasks

Providing instant solution for patient through diagnosis

Having separate section for analysing the ECG to provide instant resultsHaving separate section for analysing the ECG to provide instant results

IOT

Able to contact doctors anytime and anywhere for reducing time

Giving general suggestions by the doctors while classifying Arrhythmia is much appreciated for saving patients life

4.PRIORITIES

