Ideation Phase
Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID51981
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dash Board
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

Brainstormingprovidesafreeandopenenvironmentthatencourageseveryonewithina teamtoparticipateinthecreativethinkingprocessthatleadstoproblemsolving.Prioritizing volumeovervalue,out-of-the-boxideasarewelcomeandbuiltupon,andallparticipantsare encouraged to collaborate, helping each other develop a rich amount of creative solutions.

Usethistemplateinyourownbrainstormingsessionssoyourteamcanunleashtheir

imagination and start shaping concepts even if you're not sitting in the same room.

Reference:https://www.mural.co/templates/empathy-map-canvas

Step-1: Team Gathering, Collaboration and Select the Problem Statement

Step-2: Brainstorm, Idea Listing and Grouping

Brainstorm (2)

SNEHA K S

- Finding the optimal combination of hyperparameters
- Choose the best model out of well-performing models can be simply reduced to visualizing model which offer the highest accuracy
- Integrates other ML strategies such as time series, integration rules and integration with other integration strategies.
- Giving physical exercise advice to the patients
- Track whether the patients are doing physical exercises or not.

LAKSHMAN KARTHICK S

- Increase number of training data
- Choose the best model by using all evaluation metrices like Precision,recall,F1 score
- Based on prediction, Suggest healthcare advices
- Reduce the time complexity of doctors by handling enormous amount of data
- Avoid using figures that are not audience-specific, not measurable
- The system can serve as a training tool for medical students

MEENU PRIYA S S

- Suggesting medicines for emergency
- Predict the output with more number of visualizations
- Diet controlled food for the people diagnosed with heart diseases.
- Reminder for the patients to intake the medicines on time in their busy schedule.
- Avoid creating complex dashboards with too many widgets, so it is easier

VASANTHA GURU R

- To spread awareness about the heart diseases symptoms.
- If the risk of heart disease is high it will suggest the doctors
- prediction based on modeling the correlations between compounded indicator factors
- A dashboard should be customizable so you can structure your analysis results in a dynamic and interactive way

Group ideas (3)

Improvement in Machine Learning

- Finding the optimal combination of hyperparameters
- Choose the best model out of well-performing models can be simply reduced to visualizing model which offer the highest accuracy
- prediction based on modeling the correlations between compounded indicator factors
- Increase number of training data
- Predict the output with more number of visualizations
- Integrates other ML strategies such as time series, integration rules and integration with other integration strategies.
- Reduce the time complexity of doctors by handling enormous amount of data
- Avoid using figures that are not audience-specific, not measurable
- Choose the best model by using all evaluation metrices like Precision,recall,F1 score

Improvement in Medical Usage

- Giving physical exercise advice to the patients
- Based on prediction, Suggest healthcare advices
- If the risk of heart disease is high it will suggest the doctors
- Track whether the patients are doing physical exercises or not.
- Diet controlled food for the people diagnosed with heart diseases.
- Suggesting medicines for emergency
- Reminder for the patients to intake the medicines on time in their busy schedule.

Additional Ideas

- To spread awareness about the heart diseases symptoms.
- Avoid creating complex dashboards with too many widgets, so it is easier
- The system can serve as a training tool for medical students
- A dashboard should be customizable so you can structure your analysis results in a dynamic and interactive way

Step-3: Idea Prioritization

Prioritize ④

Suggesting medicines for emergency

Finding the optimal combination of hyperparameters

Choose the best model by using all evaluation metrices like Precision,recall,F1 score

Integrates other ML strategies such as time series, integration rules and integration with other integration strategies.

Predict the output with more number of visualizations

Increase number of training data

Track whether the patients are doing physical exercises or not.

Choose the best model out of well-performing models can be simply reduced to visualizing parts of the model which offer the highest accuracy

prediction based on modeling the correlations between compounded indicator factors

The system can serve as a training tool for medical students

Reminder for the patients to intake the medicines on time in their busy schedule.

A dashboard should be customizable so you can structure your analysis results in a dynamic and interactive way

Avoid using key figures that are not audience-specific, not measurable

Avoid creating complex dashboards with too many widgets, so it will be easier.

Reduce the time complexity of doctors by handling enormous amount of data

Based on prediction, Suggest healthcare advices

If the risk of heart disease is high it will suggest the doctors

To spread awareness about the heart diseases symptoms.

Diet controlled food for the people diagnosed with heart diseases.

Giving physical exercise advice to the patients