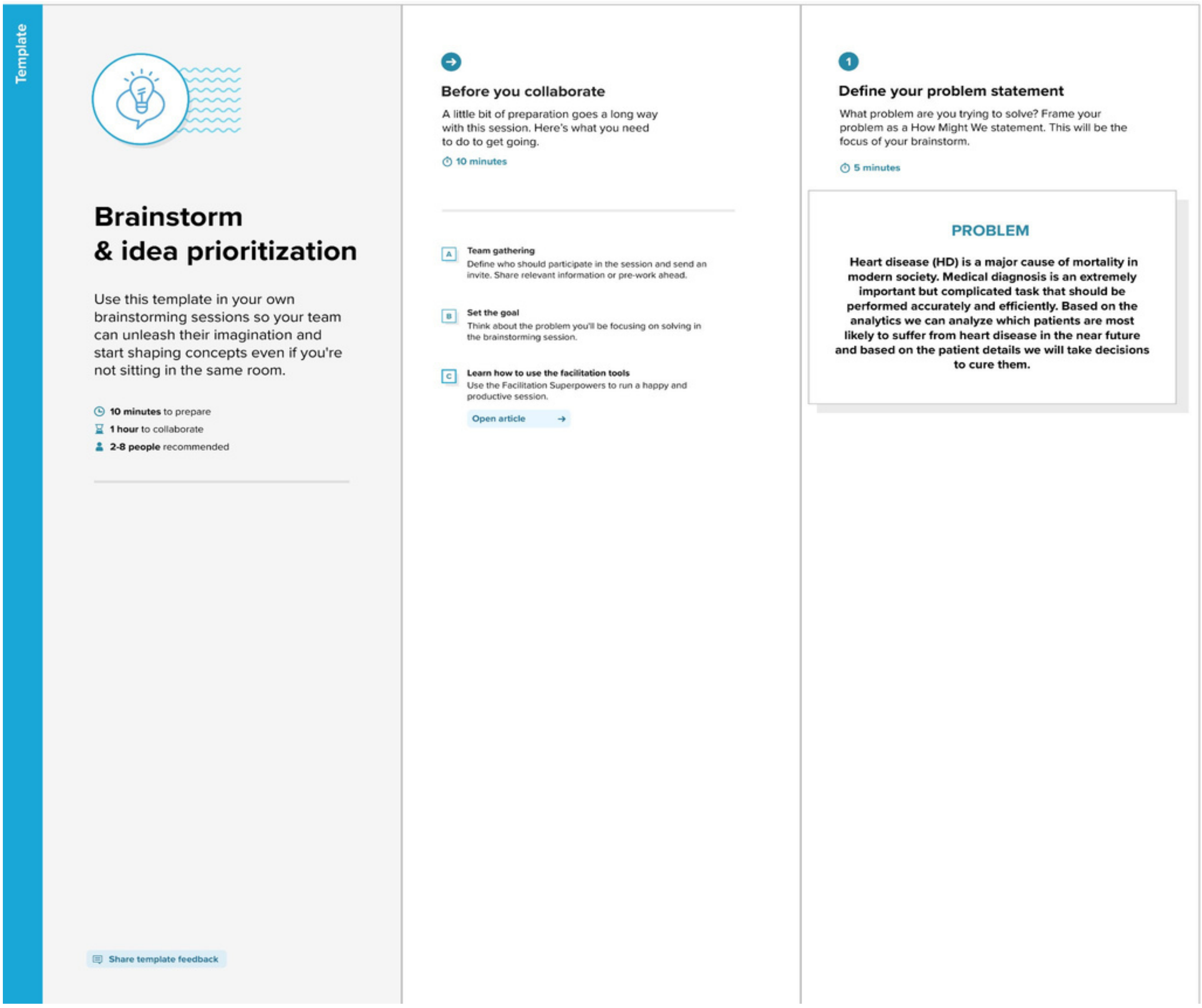
Ideation Phase
Brainstorm & Idea Prioritization Template

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:

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



Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

10 minutes to prepare
1 hour to collaborate
2-8 people recommended

Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

10 minutes

A **Team gathering**
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

B **Set the goal**
Think about the problem you'll be focusing on solving in the brainstorming session.

C **Learn how to use the facilitation tools**
Use the Facilitation Superpowers to run a happy and productive session.

1 **Define your problem statement**

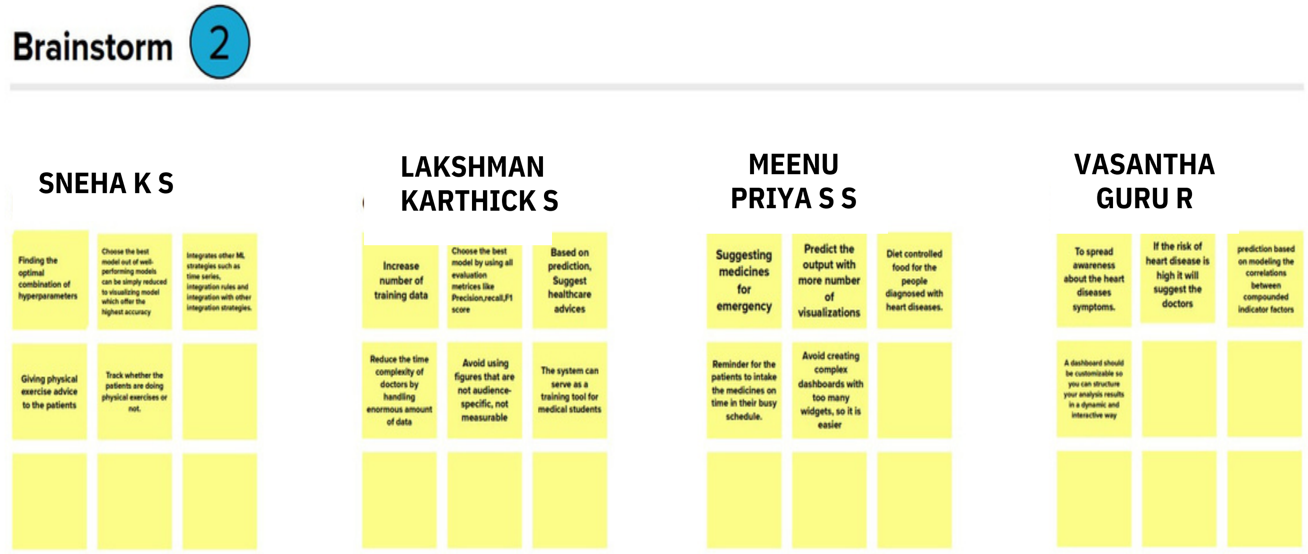
What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

5 minutes

PROBLEM

Heart disease (HD) is a major cause of mortality in modern society. Medical diagnosis is an extremely important but complicated task that should be performed accurately and efficiently. Based on the analytics we can analyze which patients are most likely to suffer from heart disease in the near future and based on the patient details we will take decisions to cure them.

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

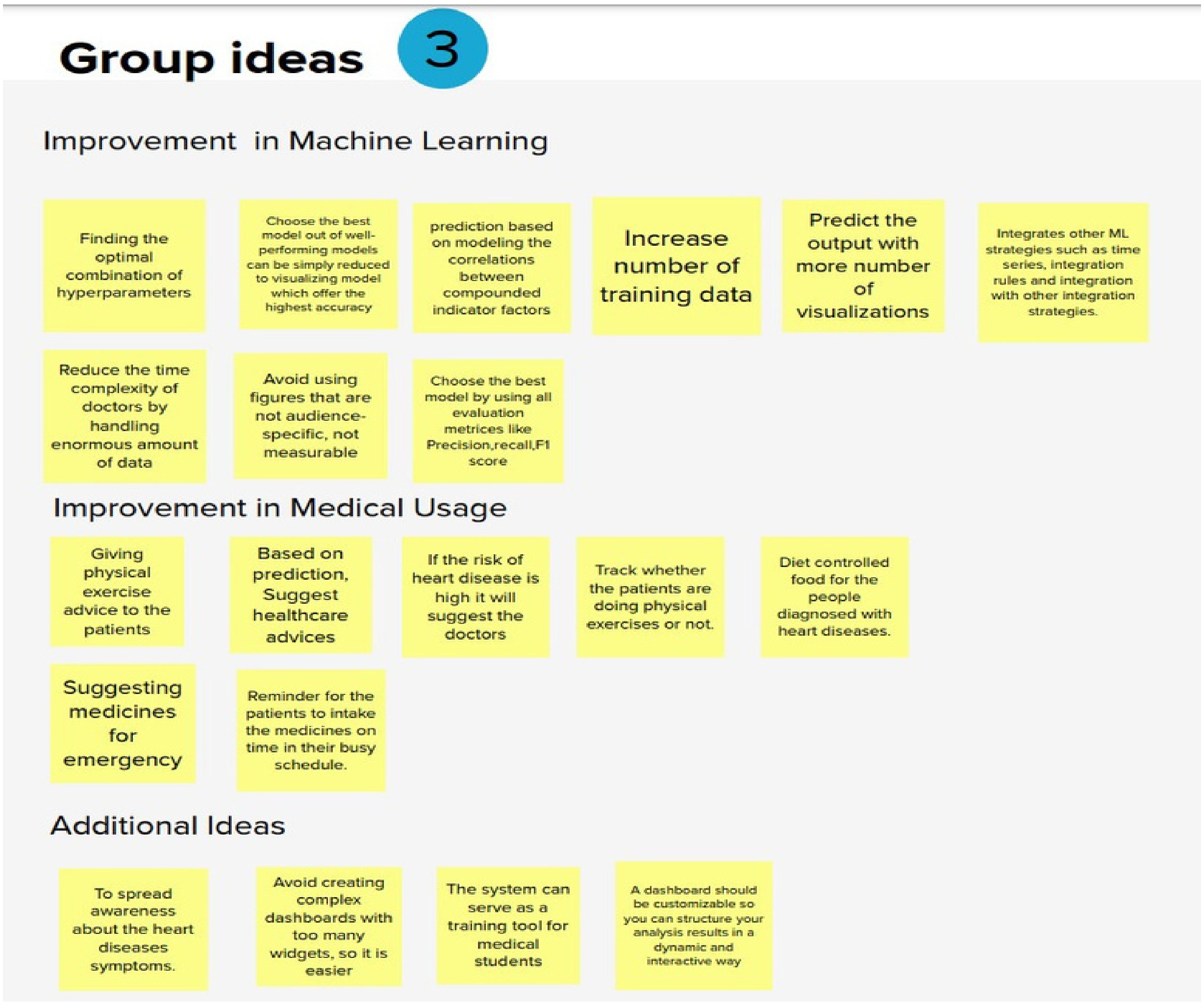
- Increase number of training data
- Choose the best model by using all evaluation metrices like Precision,recall,F1 score
- Based on prediction, Suggest healthcare advices
- Reduce the time complexity of doctors by handling enormous amount of data
- Avoid using figures that are not audience-specific, 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

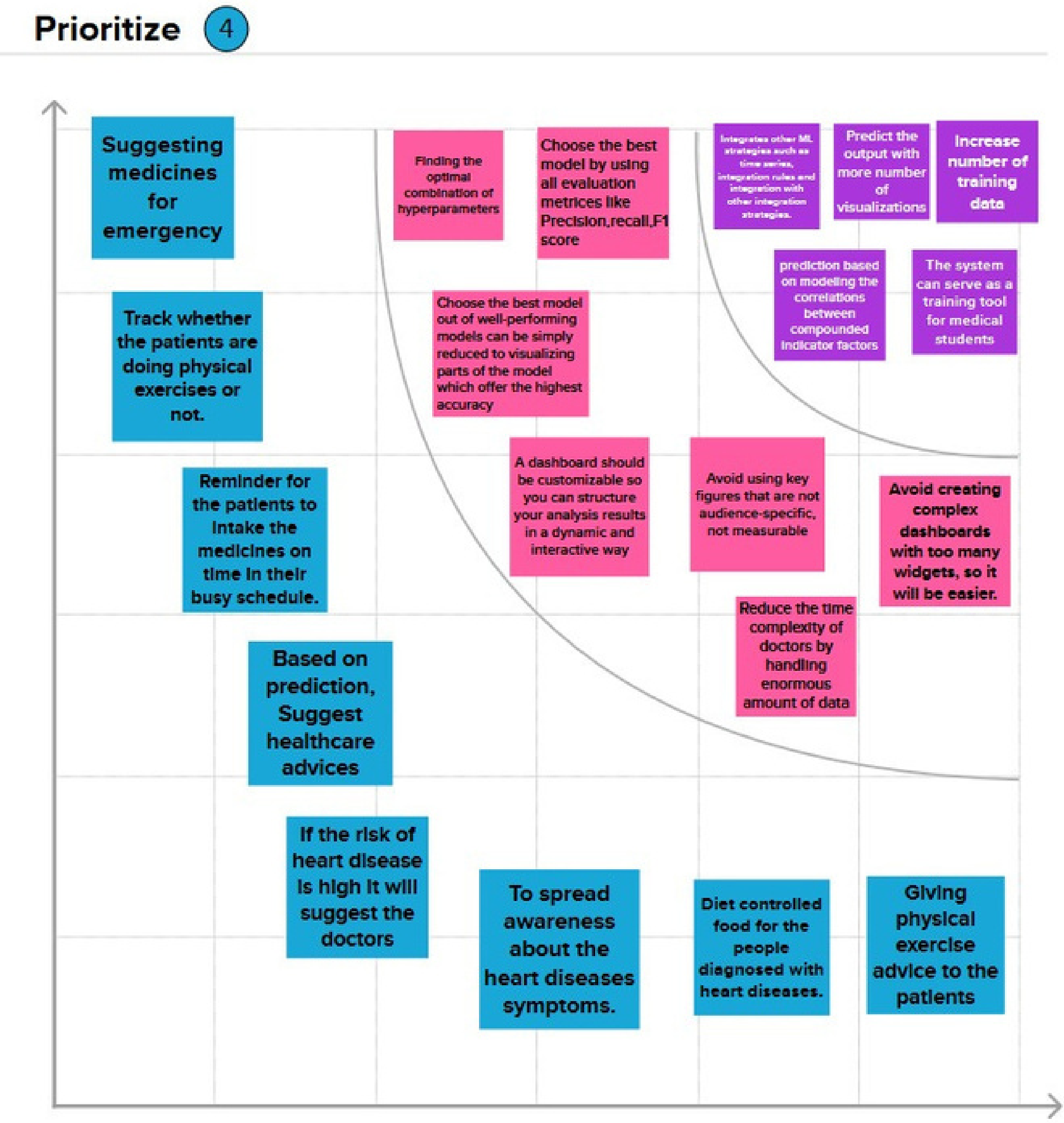
Improvement in Medical Usage

- 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
Track whether the patients are doing physical exercises or not.
Reminder for the patients to intake the medicines on time in their busy schedule.
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
Finding the optimal combination of hyperparameters
Choose the best model by using all evaluation metrices like Precision,recall,F1 score
Choose the best model out of well-performing models can be simply reduced to visualizing parts of the model which offer the highest accuracy
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
Reduce the time complexity of doctors by handling enormous amount of data
Avoid creating complex dashboards with too many widgets, so it will be easier.
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
prediction based on modeling the correlations between compounded indicator factors
The system can serve as a training tool for medical students