Ideation Phase
Brainstorm & Idea Prioritization
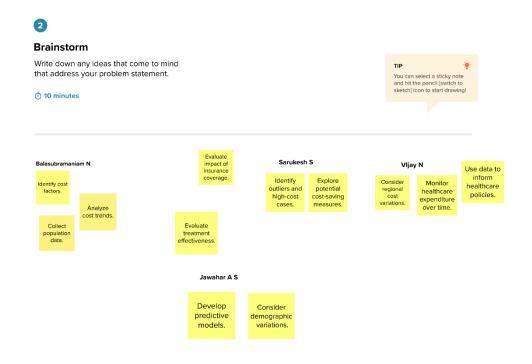
Date	23 April 2023
Team ID	PBL-NT-GP--7627-1681100533
Project Name	Estimation and Prediction of Hospitalization and Medical Care Costs
Maximum Marks	4 Marks

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

1

Problem statement

Estimate and predict hospitalization and medical care costs to improve healthcare planning and resource allocation.

⏱ 1 month

PROBLEM

How might we estimate the medical costs given the data?

Important Points
To Develop the App

Decide requirements   Other ideas

Read data   Get feedback

Go for volume.   Visualize Data

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

Write down any ideas that come to mind
that address your problem statement.

🕐 10 minutes

Balasubramaniam N

- Identify cost factors.
- Analyze cost trends.
- Collect population data.

- Evaluate impact of insurance coverage.
- Evaluate treatment effectiveness.

Sarukesh S

- Identify outliers and high-cost cases.
- Explore potential cost-saving measures.

VIjay N

- Consider regional cost variations.
- Monitor healthcare expenditure over time.
- Use data to inform healthcare policies.

Jawahar A S

- Develop predictive models.
- Consider demographic variations.

3

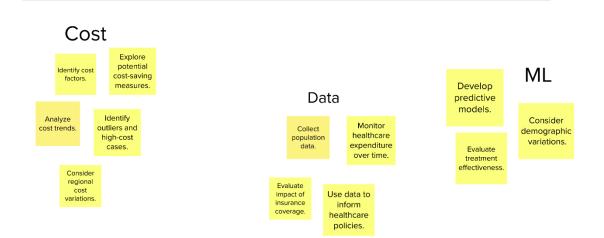## Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all
sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is
bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

🕐 20 minutes

Cost

- Identify cost factors.
- Explore potential cost-saving measures.
- Analyze cost trends.
- Identify outliers and high-cost cases.
- Consider regional cost variations.

Data

- Collect population data.
- Monitor healthcare expenditure over time.
- Evaluate impact of insurance coverage.
- Use data to inform healthcare policies.

ML

- Develop predictive models.
- Evaluate treatment effectiveness.
- Consider demographic variations.

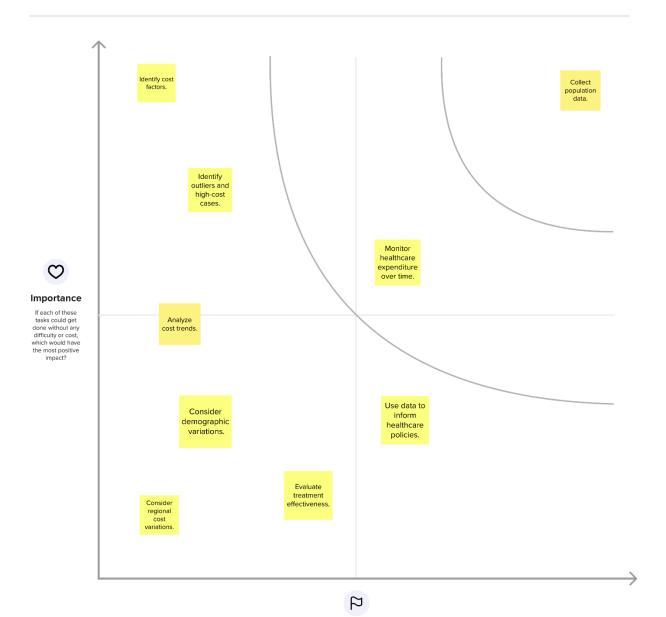# Step-3: Idea Prioritization

4

Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

🕐 **20 minutes**

♡

Importance

If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

Identify cost factors.

Collect population data.

Identify outliers and high-cost cases.

Monitor healthcare expenditure over time.

Analyze cost trends.

Consider demographic variations.

Use data to inform healthcare policies.

Consider regional cost variations.

Evaluate treatment effectiveness.

⚑

Feasibility

Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)