

Ideation Phase Brainstorm & Idea Prioritization


Date	19 September 2022
Team ID	PNT2022TMID15929
Project Name	Early Detection Of Chronic Kidney Disease Using Machine Learning
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

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

Template



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
 2-3 people recommended

[Share template feedback](#)

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

Team gathering

Define who should participate in the session and send an invite. Share relevant information as prework ahead.

Set the goal

Formulate the problem you'll be focusing on solving in the brainstorming session.

Learn how to use the facilitation tools

Use the Facilitation Sub-points to run a happy and productive session.

[Open article](#)

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

How might we build a model to predict the chronic kidney disease?

PROBLEM

How the result appears?

PROBLEM

Which algorithm to use for prediction?

Key rules of brainstorming

To run an smooth and productive session

- Stay in topic
- Encourage wild ideas
- Defer judgment
- Listen to others
- Go for volume
- If possible, be visual

Step-2: Brainstorm, Idea Listing and Grouping

2 Brainstorm

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

10 minutes

Tip: You can select a sticky note and use the arrow button to select notes to start drawing

Adarna Annalakshmi S

- collect details of patient and compare it
- choose relevant dataset to train the model
- choose an algorithm to increase the accuracy
- check the family history of a person to identify any correlation

Amrutha Shree P

- Discover patterns with the help of historical data
- Train the model to predict the Chemo Karyo Duovow
- Also ensure doctors check whether blood pressure is released or not
- Encourage patients to have a healthy diet and have enough water intake

Sushma S

- We can monitor the disease with only few symptoms to test
- An optimization algorithm can be formed based on the expected & observed
- Different algorithm can be used to find the correlation between various attributes
- Doctors were not so evaluated to identify the attributes that can be used to predict

Durga M

- Use urine tests to check the protein glucose or blood in urine
- The result of prediction will be either the person is affected by CKD or not
- Start advise the patient to stop consumption of any food which increases bp
- Use the algorithm measures like blood pressure and albumin

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 can break it up into smaller sub-groups.

20 minutes

Tip: Self-criticism helps in this stage to correct wrong or bad thoughts, optimize the strategy and improve your model

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graph TD
    Causes[Causes] --> Symptoms[Symptoms]
    Causes --> Algorithms[Algorithms]
    Symptoms --> Algorithms
    Algorithms --> Result[Result]
    Result --> Deploy[Deploying result in website]
    
```

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

