


# Ideation Phase

## Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID42291
Project Name	Early Detection of Chronic Kidney Disease using Machine Learning
Maximum Marks	4 Marks

### 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
- 2-8 people recommended

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### 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.

[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


What might we do to help patients who are suffering with chronic kidney disease using latest technologies?





### 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

N. Balaji

Develop machine learning models

Understand the mathematic calculation behind the machine learning model

Using right algorithms to predict accurately

B.V. Himavanth

User friendly and quick to access for a common man to understand.

Compressed and optimistic way of dealing with data.

Never a false prediction about the health of patient

A.M. Shafi

Predicting kidney disease and giving clarity on kidney disease accurately

Giving prescribed medical suggestion

Making patient health good and helping to get rid of kidney disease

P. Mahendra

Statistically graphing the data based on test samples

Analyzing the result with all levels

Analyzing the data for individual if needed

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

#### Datasets Collection

Collecting related kidney diseases data

Preparing the datasheets and updating if necessary

Exploratory data analysis

Selecting inputs and outputs for visualization

#### Data preprocessing and Model making

Perform various data manipulation techniques

Find the high correlation

Splitting the dataset and training the model

#### Model evaluation and Deployment

Evaluating the model

Iterating the process to get good accuracy

Developing the project code and testing

Deploying the successful model

### 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

