


Ideation Phase

Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID45417
Project Name	Project - Early Prediction of Chronic Kidney Disease
Maximum Marks	4 Marks

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.

[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 predict chronic kidney disease using machine learning earlier?

Key rules of brainstorming

To run a 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 hit the pencil [switch to sketch] icon to start drawing!

RASIKA

using machine learning algorithms we can predict early on whether stage of chronic kidney disease

CKD can be detected by screening in threats by kidney problem

NIVETHA

people those with blood pressure diabetes and blood urea nitrogen patient with kidney disease

minimizing the feature and select the best features to improve accuracy

SHEHHA

with machine learning we can predict if the person has CKD or not with minimum features

we can use supervised learning in machine learning

SOWMIYA

we can perform logistic regression

evaluating machine learning model is best to know the accuracy of model

SIVALESHWARI

we can use KNN classifier

we can shape our model based on error

3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. In the last 10 minutes, 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

DATA COLLECTION

we can collect data based on our kidney disease

we can preprocess training, extracting or we can take from given variables like height

DATA PREPROCESSING

important to do cleaning in the dataset

handling missing values, finding outliers, finding duplicates and so on

DATA ANALYSIS

analyse the data to find insight

use insights to feed machine learning model

MODEL BUILDING

build machine model

train the machine learning model and test data

EVALUATE THE MODEL

Find accuracy for the model

save the model

TIP



Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

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

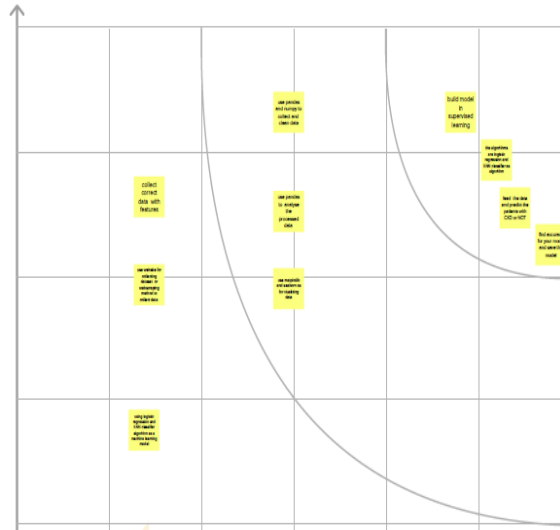
TIP

Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.



Importance

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



After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

Quick add-ons

A Share the mural
Share a view link

Share a **view link** to the mural with stakeholders to keep them in the loop about the outcomes of the session.

B Export the mural.
Export a copy of

Export mural
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

Keep moving forward



Strategy blueprint

Define the components of a new idea or strategy.

[Open the template →](#)



Customer experience journey map

Understand customer needs, motivations, and obstacles for an experience.

[Open the template →](#)



Strengths, weaknesses, opportunities & threats

- Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.

[Open the template →](#)