

## Ideation Phase


### Brainstorm & Idea Prioritization Template

Date	28 October 2022
Team ID	PNT2022TMID02292
Project Name	Project – Early Detection of Chronic Kidney Disease Using Machine Learning
Maximum Marks	4 Marks

#### Brainstorm & Idea Prioritization Template:




#### 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




### 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 or pre-work ahead.

**Set the goal**

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

**Learn how to use the facilitation tools**


Use the Facilitation Superpowers to run a happy and productive session.

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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

Noncommunicable illnesses are the leading cause of early death, and CKD is the leading noncommunicable disease. Chronic Kidney Disease is a major concern for the global health care system. People with CKD must focus on implementing proven, cost-effective therapies to as many people as possible while taking into consideration restricted needs, human and financial resources. Chronic kidney disease (CKD) is now wreaking havoc on society and is spreading at an alarming rate. Various efforts have been undertaken to advance early therapy to prevent the condition from progressing to chronic disease. Recent research suggests that some of the negative outcomes can be avoided with early identification and treatment.

## Step-2: Brainstorm, Idea Listing and Grouping

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### Brainstorm

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

 10 minutes

#### Sujitha P

Identify the causes

High blood sugar level

Consumption of large quantities of alcohol

Genetic disorder

#### Sujitha R

Terms to be considered for detection

Blood sugar level

Alcohol content in the blood

Blood pressure

Any identification as this may be hereditary

#### Sweta S

Steps to detect the disease

Detection using the datasets provided

Using different machine learning algorithms to detect the chronic kidney disease

Comparing the accuracy of the algorithms used

Choosing the best algorithm with high accuracy

#### Urjha M B

Uses of early detection of chronic kidney disease

Preventive measures can be taken to avoid drastic problems in the future

Medications need not be aggressive as it is detected in the early stage

Deaths due to chronic kidney failure can be reduced

The ML algorithms provide good accuracy which is highly reliable

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

The application should be user friendly for the patients

The prediction must be highly accurate as it deals with patients' health

Must be highly reliable, easily accessible

Easy prediction using the Machine Learning algorithms

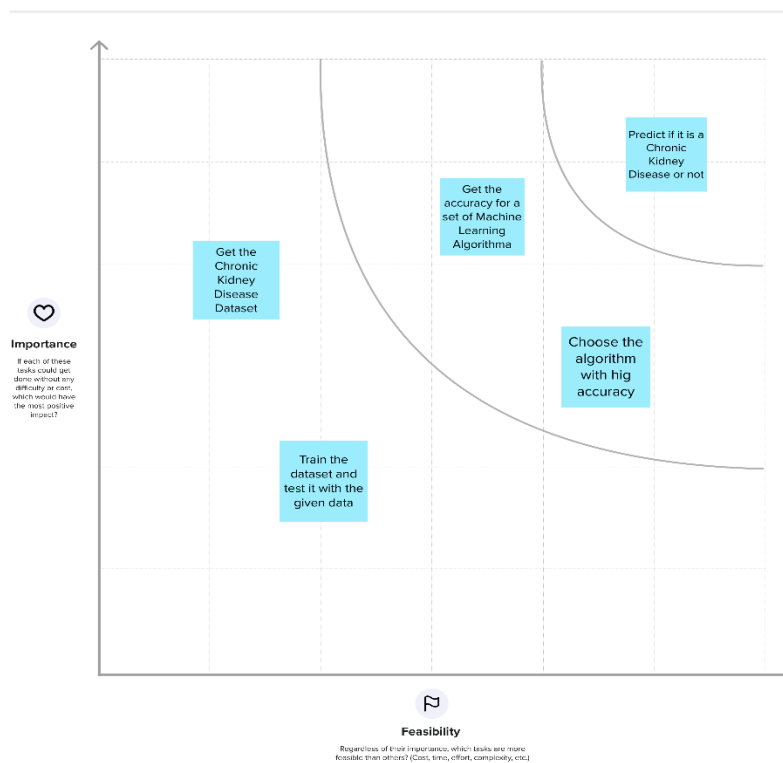
## Step-3: Idea Prioritization

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



→

### 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 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 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 →](#)

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