

Ideation Phase


Brainstorm & Idea Prioritization

Date	19 September 2022
Team ID	PNT2022TMID10327
Project Name	Early Detection of Chronic Kidney Disease using Machine Learning
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization:




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.

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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


Patients who suffer from chronic kidney diseases need a way to control its progression to an advanced state with early detection and appropriate treatment.


**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 select) icon to start drawing!

Vignesh			Subbalya		
Cost effective detection	Awareness about dialysis	Family records of kidney diseases	Find hidden trends and pattern	Find hidden trends and pattern	Obtain precise dataset
Understand importance of kidney	Support quick diagnosis	Early identification of disease	Check for hypertension	User friendly UI	Use limited number of parameters
Learn the procedure of dialysis	Perform algorithm Comparisons	Survey different hospital records			
Vikram			Praveen Kumar		
Keep patients details secure	Promote balanced diet	Portal containing doctor details	Identify presence of high glucose	List down the symptoms	Do away with expensive tests
Awareness about exercising	Analyze the causes	Available to all	Identify the causes	Optimize the machine learning technique	Suggest correct medicines

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

TIP
Add customizable tags to sticky notes to make it easier to find, browse, organize and categorize important ideas as they're within your mind.

Input to the system:	Identify the causes	Use limited number of parameters	Survey different hospital records	Obtain precise dataset
Accessibility of the system:	Do away with expensive tests	Cost effective detection	Available to all	Support quick diagnosis
Features of the system:	Optimize the machine learning technique	Perform algorithm Comparisons	User friendly UI	Suggest correct medicines
Awareness about the system:	Awareness about exercising	Awareness about dialysis	Promote balanced diet	Understand importance of kidney
Parameters for the system:	Check for hypertension	Identify presence of high glucose	List down the symptoms	Family records of kidney diseases

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

