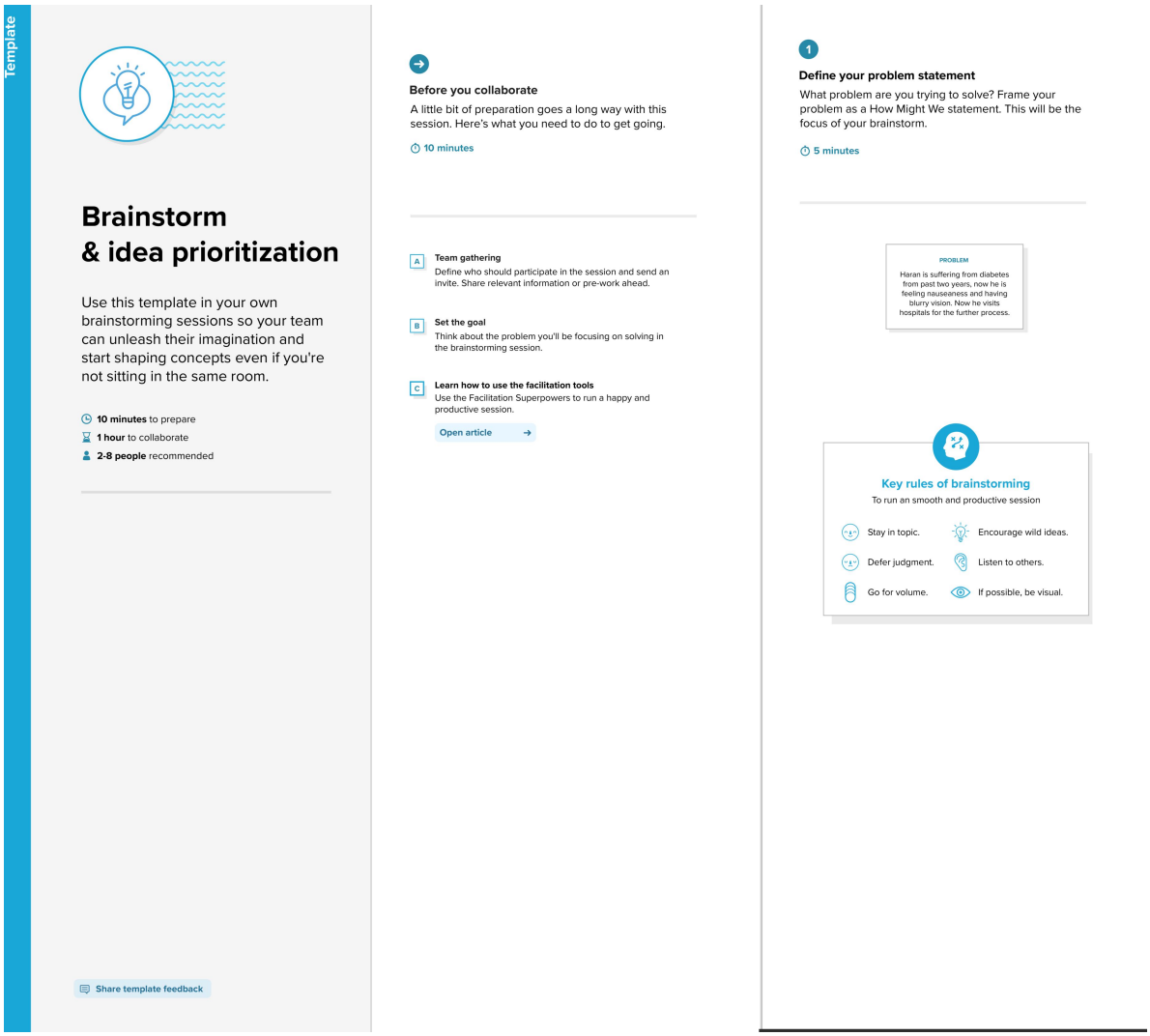
Ideation Phase
Brainstorm & Idea Prioritization Template

Date	25 September 2022
Team ID	PNT2022TMID08044
Project Name	Deep Learning Fundus Image Analysis For Early Detection Of Diabetic Retinopathy
Maximum Marks	4 Marks

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



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!

TEJASWINI

Patient consults the doctor

Doctor Suggest to take blood sugar test

HOSPITAL

Arrival of report

Doctor goes through the report

VARSHA

If blood sugar level is low, take the medication

If blood sugar level is high, further test for blurry vision of eye is performed

Analysis of the report and examine of eye

A comprehensive dilated eye exam is done where drops are put in eyes widen your pupils to allow your doctor a better view inside your eyes.

For the confirmation of Diabetes Retinopathy further test is done where it is known as Fluorescein angiogram

VARSHINI

Having too much sugar in blood can damage your retina

light-sensitive tissue at the back of the eye

Symptoms

Having diabetes for a long time

126 mg/dL or higher indicates having diabetes.

KALA SREE

If the patient is exposed to Diabetes Retinopathy with severity then the patient should undergo the laser treatment

If not possible , the patient should undergo surgery, if none of the treatment is applied

Treatment and safety measures

Healthy diets should be followed

Regular eye checkup should be done

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 and break it up into smaller sub-groups.

20 minutes

1

The patient suffering from diabetes visits the doctor due to nausea feeling and blurry vision

2

He undergoes test prescribed by the doctor for further treatment and precaution

3.

If the report is indicating that he is exposed to high level of blood sugar level there is a chance of having Diabetes Retinopathy

4

To Confirm the symptom of Diabetes retinopathy doctor examines the eyes by diagnosis and further fundus image analysis

5

After the process of scanning the eyes, the reports are analyzed

6

If exposed to diabetes retinopathy treatment can be given

7

If there is severity of diabetes retinopathy laser treatment or surgery can be undergone

TIP

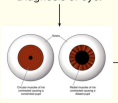
Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

Patient consults doctor.

Diabetes test.

Reports analysis.

Diagnosis of eye.



Pupil dilation and clear appearance of eyes of the patient.

Fundus image analysis of the patient.

Detection of Diabetes retinopathy.

Laser treatment.

In severe case undergoes surgery

Maintain healthy food diet.

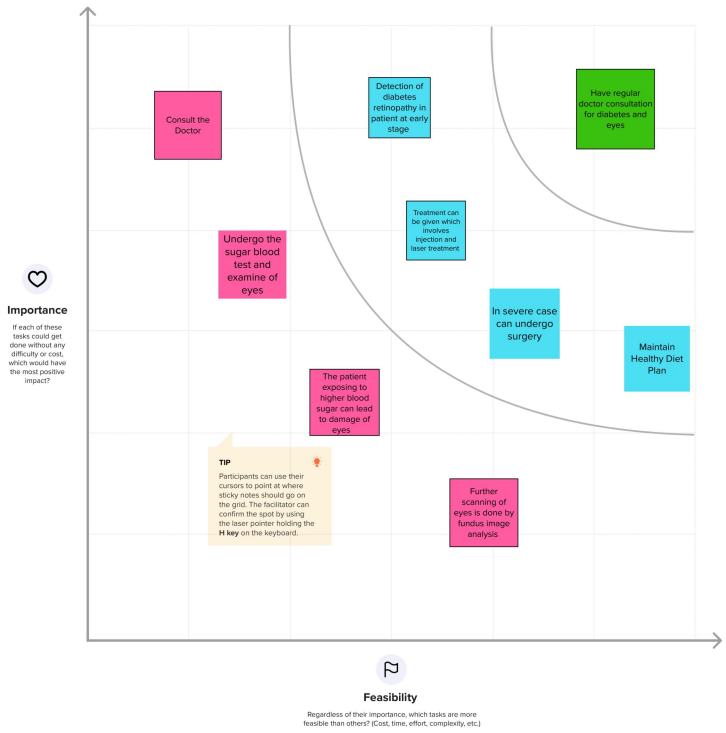
Step-3: Idea Prioritization

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 →

Share template feedback