

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID52709
Project Name	AI based localization and classification of skin disease with erythema
Maximum Marks	4 Marks


Brainstorm & Idea Prioritization Template:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

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.

Reference: <https://www.mural.co/templates/empathy-map-canvas>

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.

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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

How might we [your problem statement]?

Key rules of brainstorming

To run a smooth and productive session

- Stay in topic.
- Defer judgment.
- Go for volume.
- Encourage wild ideas.
- Listen to others.
- If possible, be visual.

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

Have each participant begin in the "solo brainstorm space" by silently brainstorming ideas and placing them into the template. This "silent-storming" avoids group-think and creates an inclusive environment for introverts and extroverts alike. Set a time limit. Encourage people to go for quantity.

🕒 10 minutes

Navin Kumar

In General, most of the common people do not know the type and stage of a skin disease.

This study is for the use of AI methods and deep learning for detecting the characteristics

Using YOLO model, we classify the image into Erythema and various stages of spread and severity.

The results are shown to the user, including the stage or disease(Erythema) spread and severity.

Luhindaar

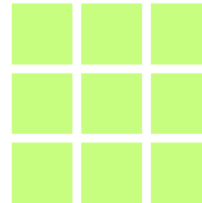
Skin diseases may be caused by fungal infection, bacteria, allergy, or viruses, etc.

In general, skin diseases are chronic, infectious and sometimes may develop skin cancer.

Image processing techniques helps to build automated screening system for dermatology t an initial stage.

Finally, the view of the applications are shown to the user, the stage of skin disease with the solution.

Person 3



Person 4



Mohammad Farhan

An extraordinary part of human body is skin, this is often affected by various known and unknown diseases.

So planned to make identification of skin diseases.

To identify the skin disease, datasets are collected.

Finally, application is developed to identify the skin disease.

Srinivas

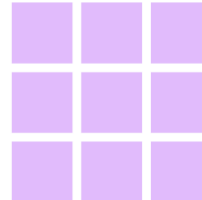
Skin diseases are more common than the other diseases.

So I decided to show the probability of occurrence of skin diseases.

Some more datasets are collected in the basis of skin diseases.

In the final result, it shows the probability of affected skin from a skin disease.

Person 7



Person 8



3

Group ideas

Have everyone move their ideas into the "group sharing space" within the template and have the team silently read through them. As a team, sort and group them by thematic topics or similarities. Discuss and answer any questions that arise. Encourage "Yes, and..." and build on the ideas of other people along the way.

🕒 15 minutes

TIP

You can use the **Voting session** tool above to focus on the strongest ideas.

DATASET

To identify the skin disease, datasets are collected.

Some more datasets are collected in the basis of skin diseases.

Image processing techniques helps to build automated screening system for dermatology 1 in initial stage.

Using YOLO model, we classify the image into Erythema and various stages of spread and severity.

SKIN DISEASE

An extraordinary part if human body is skin, this is often affected by various known and unknown diseases.

In General, most of the common people do not know the type and stage of a skin disease.

Skin diseases are more common than the other diseases.

Skin diseases may be caused by fungal infection, bacteria, allergy, or viruses, etc.

DECISION

In general, skin diseases are chronic, infectious and sometimes may develop skin cancer.

So planned to make identification of skin diseases.

So i decided to show the probability of occurrence of skin diseases.

This study is for the use of AI methods and deep learning for detecting the characteristics

FINAL VIEW

In the final result, it shows the probability of affected skin from a skin disease.

Finally, the view of the applications are shown to the user, the stage of skin disease with the solution.

The results are shown to the user, including the stage of disease(Erythema) spread and severity.

Finally, application is developed to identify the skin disease.

Step-3: Idea Prioritization

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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

