

Ideation Phase

Brainstorming and Idea Prioritization

Date	23 September 2023
Team ID	Team-592806
Project Name	Early Diagnosis Of Diseases Using Image Processing Of Human Nails
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization:

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

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 improve healthcare by developing a model for early nail disease detection?

SOLUTION

By enabling users to capture nail images, sending them to the model for analysis, and allowing the model to assess color, shape, and texture, we can overcome human limitations in detecting subtle changes and determine the presence and type of nail disease based on these characteristics.

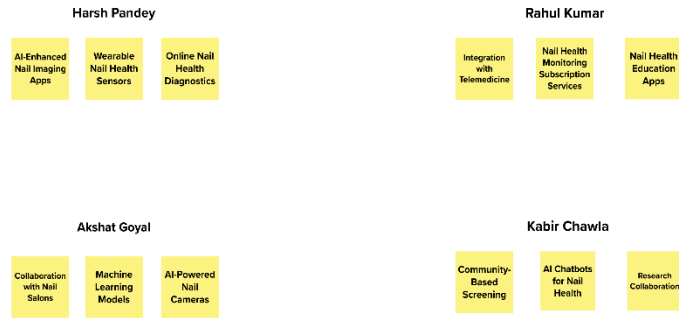
Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

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

🕒 10 minutes



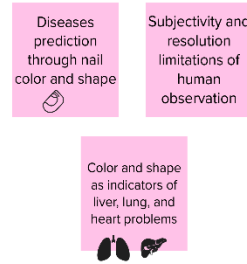
3

Group ideas

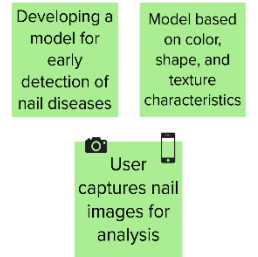
Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

🕒 20 minutes

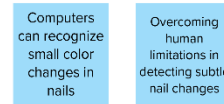
Technology Based Nail Health Assessment



Building a Model for Nail Disease Detection



Advantages of Computer-Based Detection



Data Privacy and Accuracy



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

