


Ideation phase

Brainstorm & Idea prioritization Template

Date	10 october 2022
Team ID	PNT2022TMID30346
Project Name	AI based localization and classification of skin disease with erythema
Maximum Marks	4 Marks

Brainstorm & Idea prioritization:



Brainstorm & idea prioritization

PROJECT TOPIC:

AI based localization and classification of skin disease with erythema

problem state ment

To overcome the skin diseases like psoriasis, skin cancer ,melanoma, where we are building a model where the person can capture the image of skin and detect whether the person is having skin disease or not

PROBLEM

How we might to cure the skin diseases?

TEAM MEMBERS

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IDEAS

Advantage

- 1. Easy to use
- 2. No need for complex hardware
- 3. High accuracy
- 4. Real-time results
- 5. No need for complex hardware
- 6. High accuracy
- 7. Real-time results
- 8. No need for complex hardware
- 9. High accuracy
- 10. Real-time results

Disadvantage

- 1. High accuracy
- 2. Real-time results
- 3. No need for complex hardware
- 4. High accuracy
- 5. Real-time results
- 6. No need for complex hardware
- 7. High accuracy
- 8. Real-time results
- 9. No need for complex hardware
- 10. High accuracy

Problem ideas

Methods

- Using YOLOV3 detector
- Using hybrid model
- Image processing techniques

Analysis

- As the model is not yet developed, it is not yet ready for use.
- Diagnosed early to reduce the risk of developing a skin disease.
- The image can be used for dermatologist to detect.

Functions

- Image recognition for public usage
- Improving time to inform the user
- Provide efficient approach to the user
- Identify and locate the skin disease in the image
- Represent the skin disease in the image

Features

- required giga pixel camera
- Results do not appear in the user's hand
- Simple and fast to use
- Require camera and computer

PRIORITIZE IDEAS

