


# Ideation phase

## Brainstorm & Idea prioritization Template

Team ID	PNT2022TMID08412
Project Name	Project-AI based localization and classification of skin disease with Erythema
Maximum Marks	4 Marks

## Brainstorm & Idea prioritization:



# Brainstorm & idea prioritization

**PROJECT TOPIC:**

All based localization and classification of skin disease with erythema

**TEAM MEMBERS**

- 1. Alkawayha
- 1. Fakhria
- 1. Yathimani
- 4. Lakshmi jayini

## problem statement

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

## PROBLEM

How we might to cure the skin diseases?

## IDEAS

Advantages	Feasibility
<ul style="list-style-type: none"> <li>Can detect various types of skin diseases</li> <li>Image processing techniques</li> <li>Improving time for skin disease results</li> <li>Work on better images</li> </ul>	<ul style="list-style-type: none"> <li>Existing technology</li> <li>Image recognition</li> <li>Machine learning</li> <li>Deep learning</li> <li>Image segmentation</li> <li>Image classification</li> <li>Image analysis</li> <li>Image processing</li> </ul>

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## Group ideas

### Methods

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

### Analysis

- Automated screening system for detecting at an early stage
- Diagnosed early to reduce their development and spread
- The images can easier for dermatologist to detect

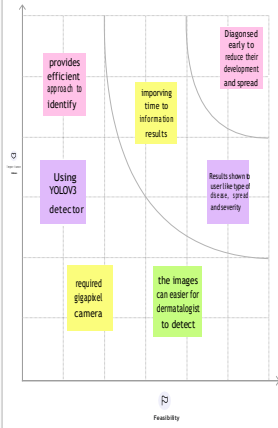
### Functions

- Image recognition for public usage
- Improving time to information results
- provides efficient approach to identify
- Identify all size the lesions from input image
- Preparedness to environment and background

### Features

- required gigapixel camera
- Results shown to user like type of disease, spread and severity
- simple and fast method
- Require camera and computer

## PRIORITIZE IDEAS



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