

Project Design Phase-I
Proposed Solution Template

Date	11 October 2022
Team ID	PNT2022TMID30346
Project Name	Project - AI - Based localization and Classification of Skin disease with Erythema .
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No	Parameter	Description
1.	Problem Statement (Problem to be solved)	<p>Now day's skin diseases become more common problem in human life. Most of these diseases are dangerous and harmful, particularly if not treated at an initial stage. People do not treat skin diseases seriously. Sometimes, most of the people treat these infections of the skin using their own household methods. However, if these household treatments are not suitable for that particular skin problem then it would affect the skin. Also they may not be aware of severe problem of skin diseases. Skin diseases have tendency to pass from one person to another person easily. Hence it is very important to control it at earlier stage to prevent it from spreading in people. The damage done to the skin due to skin diseases also could damage the self-confidence, mental confidence as well as wellbeing of people. Therefore the skin diseases are become a huge problem among people. It has become an important thing to treat these skin diseases properly at the earlier stages itself to prevent serious damage to skin.</p> <p>This system would help to solve this problem to a great extent. Since it system would allow users to determine the skin diseases to provide treatments or advice to patient by making use of images of skin infected with the disease and by obtaining information from the patient.</p>
2.	Idea / Solution description	<p>Let us assume that the own monitoring system. Proposed type of operation is using camera with motion sensor which collects image of the people for analysis of the skin. Reliable system design. Accurate system design with classification accuracy of 100 %</p>

3.	Novelty / Uniqueness	This System to classify skin lesions. The Unique features space consist of Grayscale , color redness and texture of the skin .
4.	Social Impact / Customer Satisfaction	Social impacts : Especially those whose skin disorder have a visible localization (acne patients), show lower levels of self-esteem, as well as lower levels of perceived social support and Depression. Customer Satisfaction : To give Accuracy .
5.	Business Model (Revenue Model)	Mobile Application models , Give some Awareness about this Techniques , Recommended by Dermatologists.
6.	Scalability of the Solution	Scalability is important , because it decides the quality or value of the technique or the Result.