

Project Design Phase-I

Proposed Solution

Date	25 September 2022
Team ID	PNT2022TMID10852
Project Name	AI based localization and classification of skin disease with erythema
Maximum Marks	2 Marks

Proposed Solution :

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Early classification and appropriate treatment remain a necessary challenge. Dermatologic emergencies have insufficient attention by the general population. The differential classification of erythema diseases is a real problem in dermatology. These diseases are psoriasis, seboreic dermatitis, lichen planus, pityriasis rosea, cronic dermatitis, and pityriasis rubra pilaris. Usually a biopsy is necessary for the diagnosis but unfortunately these diseases share many histopathological features as well. In this study, AI-based software was developed to diagnosis dermatological diseases by using Artificial Intelligence.
2.	Idea / Solution description	The patient can upload the image of the infected area of the skin. In this application, using AI image recognition it will classify the disease that affected the patient and it will provide appropriate solution to the patient, by providing precautions.
3.	Novelty / Uniqueness	The application will suggest the available doctors to cure the disease and it will guide the patient throughout the treatment. So the patient can interact with the application any time.
4.	Social Impact / Customer Satisfaction	It will provide remedies for the skin disease. It will suggest precautions even after the treatment to avoid future infections. The application will be active anytime, so the patient will be satisfied by getting response at anytime.
5.	Scalability of the Solution	The application can be improved by adding online purchase of the medicine. The patient can switch to the language they are familiar with.