Project Design Phase-I
Proposed Solution Template

Date	3 November 2022
Team ID	PNT2022TMID17885
Project Name	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)	To build an intelligent system using Artificial Intelligence-based classification algorithms to accurately judge and diagnose the dermatological disease by analyzing in-depth, the high-level features that are present in the images of the patient's symptoms.
2.	Idea / Solution description	The application is able to analyse the individual's affected skin area against the person's normal skin tone and texture and provide a specific treatment solution and can give alterative treatments as well.
3.	Novelty / Uniqueness	Relative to other existing solutions, our project aims to have at least 65% more accuracy using photos taken from a normal smartphone and will suggest a treatment plan for the same.
4.	Social Impact / Customer Satisfaction	Early diagnosis and treatment allows for potential skin diseases to be treated within the first few hours and minimises the spreading to other parts of the body.
5.	Business Model (Revenue Model)	Pharmacists are able to make a considerable amount as regular customers are able to spend more on medicines due to the Consultation charges being nullified.
6.	Scalability of the Solution	As the treatment has been suggested by the application itself, we can have tie-ups with pharmaceutical companies for ordering and delivering the medicines to the customer/patient's door step.