Project Design Phase-I
Proposed Solution

Date	18 October 2022
Team ID	PNT2022TMID00332
Project Name	Project – AI based localization of skin disease with erythema
Maximum Marks	2 Marks

Proposed Solution :

S.No.	Parameter	Description
1.	Problem Statement	• In medical aspects if the skin diseases-erythema are not detected at the right time it may lead to the spreading of infection from one person to other. • The skin disease will be severe if it is not detected at early stage. • So, we need a robust algorithm for detection of skin with erythema.
2.	Solution description	• The solution for the problem can be driven by Artificial intelligence. • The YOLO MODEL which analyses the picture taken and detects whether the skin having erythema or not.
3.	Novelty	• The system being developed will be working in real time and provides result with improved accuracy.
4.	Social Impact	• In the field of dermatology, the detection of disease with improved accuracy and robust model will makes the job done in a quicker manner.
5.	Business Model	• The improved efficient system will be a major breakthrough in the field of medical science and and provides an acceptable return for the business organization.
6.	Scalability of the Solution	• The system developed will be helpful in deriving results in minutes.