Ideation Phase
Problem Statements

Date	19 September 2022
Team ID	PNT2022TMID13957
Project Name	AI-based localization and classification of skin disease with erythema
Maximum Marks	2 Marks

PROBLEM STATEMENT

Mr. Narasimha Rao is a 55-year-old man. He is suffering from severe erythema for past 3years.In these 3 years he faced severe itching, allergy, rashes, Dry and Cracked skin.

- He wants to get better knowledge about the disease he is suffering from.
- He never cared about the infection which become more severe.
- He decided to find the reason behind this infection.
- So, Narasimha Rao needs an immediate remedy from the disease he wants to know which specialist to get consulted.

Who does the problem affect?	Person who is suffering from erythema.
What are the boundaries of the problem?	Person who might had a bite of insects and some allergenic plants and sunburn etc.
What is the issue?	If skin diseases are not treated at an earlier stage, then it may lead to complications in the body including spreading of the infection from one individual to the other.
When does the issue occur?	It is predicted that it may be due to some allergic plants, insects, and sunburn.
Where does the issue occur?	Redness of the skin caused by injury or another inflammation causing condition.
Why is it important that we fix the problem?	More than 125 million people suffering from Psoriasis also skin cancer rate is rapidly increasing over the last few decades especially Melanoma is most diversifying skin cancer. So, the skin diseases can be prevented by investigating the infected region at an early stage.
What solution to solve this issue?	The characteristic of the skin images is diversified so that it is a challenging job to devise an efficient and robust algorithm for automatic detection of skin disease and its severity.

What methodology used to solve the issue?	➢ we are building a model which is used for the prevention and early detection of skin cancer, psoriasis. Basically, skin disease diagnosis depends on the different characteristics like colour, shape, texture etc. ➢ The person can capture the images of skin and then the image will be sent the trained model. The model analyses the image and detect whether the person is having skin disease or not.