Project Title: AI-based localization and classification of skin disease with erythema

Project Design Phase-I - Solution Fit Template **Team ID:** PNT2022TMID04139

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) CS

People affected with infection

6. CUSTOMER CONSTRAINTS CC

Problem with change in error rate value in dataset , no proper diagnosis solution for the symptoms and budget issues.

5. AVAILABLE SOLUTIONS AS

Capture the infected area and upload it. By using the trained model, analyse the image and detecting the skin disease.

Explore AS, differentiate

Focus on J&P, tap into BE, understand RC

2. JOBS-TO-BE-DONE / PROBLEMS J&P

Explaining people about the infection in detail.

9. PROBLEM ROOT CAUSE RC

If the skin infection is not detect in the early stage , that may lead to severe complication.

7. BEHAVIOUR BE

People should capture their infected area which is analysed with trained model and get the result.

Focus on J&P, tap into BE, understand RC

Identify strong TR & EM

3. TRIGGERS TR

Providing accurate results, best and simple solutions for the problem by using our application.

4. EMOTIONS: BEFORE / AFTER EM

Less in social participation, loose their confidence level, shy to share their feelings

10. YOUR SOLUTION SL

This application is used for prevention and detection of skin diseases. The diseases are mostly classified by their shapes, colours, size, etc. and all the diseases are trained in the model previously. The people capture the image and upload it. By comparing with trained model, the result about the disease is provided.

8. CHANNELS of BEHAVIOUR CH

8.1 OFFLINE

Capturing the infection

8.2 ONLINE

Scanning, analysing with trained model and detecting the skin disease.

Identify strong TR & EM