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

Project Design Phase-I - Solution Fit Template Team ID: PNT2022TMID52281

Define CS, fit into CC	CS     Patients are customers here		Need of Experts consultation     Budget Problem	CC	After being affected, a patient visits a doctor for a consultation. It requires more travel time and has a budget constraint. It is not suitable for immediate consultation, but it includes an expert prescription that ensures the correct solution and care.	Explore AS, differentiate
Focus on J&P, tap into BE, understand RC	2. JOBS-TO-BE-DONE / PROBLEMS  When afflicted with a disease, patients should take picture of the affected area and upload it.	&P	9. PROBLEM ROOT CAUSE  Common causes of skin diseases include: Bacteria trapped in your pores or hair follicles. Conditions that affect your thyroid, kidneys or immune system. Contact with environmental triggers, such as allergens or another person's skin.	RC	7. BEHAVIOUR  The problem of skin disease is directly connected to the patient. When he or she feels irritation or redness in skin, they can address the issues	Focus on J&P, tap into BE, understand RC

## 3. TRIGGERS

TR

Patients can know about this from their neighbours, colleagues, and friends.

## 4. EMOTIONS: BEFORE / AFTER



Before: The patient may experience discomfort, insecurity, and mental fear after being infected.

After: They can know about the affected disease.

## **10. YOUR SOLUTION**



To overcome the problem 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. Here 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

### **8.CHANNELS of BEHAVIOUR**



### 8.1 ONLINE

Users upload pictures of the affected area.

### 8.2 OFFLINE

After the classification of disease, they can consult a doctor and cure the disease.