

Project Title:

AI-based localization and classification
Of skin disease with erythema

Project Design Phase-I - Solution Fit Template**Team ID:** PNT2022TMID24405

Define CS, fit into CC	1. CUSTOMER SEGMENT(S) CS Person affected with skin redness, itching and Red spots.	6. CUSTOMER CC Need of experts consultation They have to pay money for installation. Budget problem	5. AVAILABLE SOLUTIONS AS 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 J&P When a person affected with a disease, person should take a picture of the affected area and upload it.	9. PROBLEM ROOT CAUSE RC 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.	7. BEHAVIOUR BE 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.

They find this while searching their conditions by themselves on the internet.

4. EMOTIONS: BEFORE / AFTER**EM**

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

After: Recovery, Getting relief, Happy to restart.

10. YOUR SOLUTION**SL**

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**CH****ONLINE**

Users upload pictures of the affected area.

OFFLINE

They will consult a dermatologist.