BE

1. CUSTOMER SEGMENT(S)

- Patients with skin disease
- Age 5 60

Define CS

fit into CC

6. CUSTOMER CONSTRAINTS

- Lack of Awareness
- Better Medication with low cost

5. AVAILABLE SOLUTIONS

CC

RC

He/She consults a doctor for medication, involving in finding out the best clinic nearby which is time consuming and can be expensive depending upon the clinic

2. JOBS-TO-BE-DONE / PROBLEMS

The project will be taking images of the affected area of the patient and will be accurately describing the type of disease the patient is affected with. If there are any sub-categories known about the disease, the project will be addressing that too and will display the disease name so that the patient can take appropriate measures to fight the disease.

9. PROBLEM ROOT CAUSE

J&P

- Allergies, irritants, genetic makeup, certain diseases, and immune system problems affects the skin condition
- Wool, chemicals, soaps and other substances can irritate the skin and cause rashes and itching

7. BEHAVIOUR

The Patients directly approach a Dermatologist and seeks medication.

It affects them mentally and may lead to depression

3. TRIGGERS

Any prospect of the unknown is daunting. When customers find strange patterns on their skin emerging, customers will want to act as quickly as possible in order to start the treatment process.

Some skin diseases are not that serious and may heal with proper treatment but some other more serious diseases like erythema, psoriasis etc. are extremely painful and can affect people in the long run. In order to get the diagnosis quickly, they will want to use this project.

4. EMOTIONS: BEFORE / AFTER

Before: The Patient feels discomfort, insecurity, loneliness and may feel depressed.

After: Once the disease is cured, it boosts their self-confidence and brings peace and happiness

10. YOUR SOLUTION

TR

EΜ

Patients are supposed to upload the image in our website, at the backend the the uploaded image is preprocessed, and a Deep Learning Object Detection Model Yolov5 trained is applied onto it which classifies the type of the skin disease and localizes the affected areas in the image and send it back to the frontend which displays it to the end user. If there are any sub-categories known about the disease, the project will be addressing that too and will display the disease name.

8. CHANNELS of BEHAVIOR

CH

ONLINE:

SL

Upload the parts where the skin is affected into the website which helps in finding out the type of disease

OFFLINE:

Consult a Dermatologist and get treated immediately to get cured