

PROJECT DESIGN PHASE I

PROBLEM SOLUTION FIT

Date	10 October 2022
Team ID	PNT2022TMID47686
Project name	Project-AI based localization and classification of skin disease with erythema
Maximum marks	2 marks

Define CS, fit into CC	1.CUSTOMOR SEGMENT <small>CS</small> <ul style="list-style-type: none">patientsdermatologist	6.CUSTOMER CONSTRAINTS <small>CC</small> <ul style="list-style-type: none">Easy to reduce redness on the skinweight lesslow cost	5.AVAILABLE SOLUTIONS <small>AS</small> <ul style="list-style-type: none">Using neural network based segmentation modelInternetComputer visionknowledge about CAD diagnosis technique	Explore AS, differentiate
	2.JOBS-TO-BE-DONE/ PROBLEMS <small>J&P</small> <ul style="list-style-type: none">To stop any medicine that may be trigger the erythemaDo not let others touch your infection	9.PROBLEM ROOT CAUSE <small>RC</small> <ul style="list-style-type: none">SunburnUsing heavy dosageclimate changes	7.BEHAVIOUR <small>BE</small> <ul style="list-style-type: none">Using a neural network based segmentation model to create a segmented map of the image ,we then cluster sections of abnormal skin and pass this information to a classification model .We classify each cluster into different common skin disease using another neural network model	
Identify strong TR & EM	3. TRIGGERS <small>TR</small> <ul style="list-style-type: none">ItchingIrritationugly	10.YOUR SOLUTION <small>SL</small> <ul style="list-style-type: none">Given an image of the skin we decompose the image to normalize and extract high level features	8.CHANNEL OF BEHAVIOUR <small>CH</small> 8.1 online <ul style="list-style-type: none">web applicationonline consultation 8.2 offline <ul style="list-style-type: none">using a creamconsulting a doctor	Identify strong TR & EM
	4.EMOTIONS: BEFORE/AFTER <small>EM</small> <ul style="list-style-type: none">People are not feeling good because of redness on the skinnow they are feeling good			