**Project Design Phase-I** - **Solution Fit Template**

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

**Project Title:** AI BASED LOCALIZATION AND CLASSIFICATION OF SKIN DISEASE WITH ERYTHEMA

**Team ID:** PNT2022TMID7799

**Explore AS, differentiate**

**Deﬁne CS, ﬁt into CC**

**AS**

**5. AVAILABLE SOLUTIONS**

You can reduce your risk of skin diseases by Antibiotics, Antihistamines, laser skin resurfacing ,Moisturizes ,Surgical Procedures.

Budgets, complexity of the devices ,Environment,Accuracy,Realiability.

**CC**

**6. CUSTOMER CONSTRAINTS**

**CS**

1.Customer Segments (S)

Skin disease ,which is one of the medical

Image segmentation areas .It is used to

improve the quality of diagonsis in

various medical field.

**Explore AS, differentiate**

**Define CS, fit into CC**

In a busiest circle, stress, depression and other kinds of psychological problems can exacerbate the skin problems .The Common dermatological issue that have been documented to be made worse by stress include acne.

**BE**

**7. BEHAVIOUR**

**RC**

. 9. Problem Root / Cause

Bacteria trapped in skin pores and hair

follicles .Fungus, parasites or

microorganisms living on the skin.

**J&P**

**2. Problems/Pains**

Acne, blocked skin follicles that lead to

oil, bacteria and dead skin buildup in

your pores. Losing your hair in small

patches . Atopic dermatitis , dry itchy

skin.

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**Identify strong TR & EM**

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| **Identify strong TR & EM** | **3. TRIGGERS TR**  Allergies ,irritants ,genetic makeup certain disease and immune system problems can cause skin diseases. | **10. YOUR SOLUTION**  **SL**  AI BASED LOCALIZATION AND CLASSIFICATION OF SKIN DISEASE WITH ERYTHEMA | 1. **CHANNELS of**  Behaviour   Online  To assess the accuracy of artificial intelligence (AI)-based screening for skin disease in image processing.  Offline  Health care seeking, compliance and treatment outcome in skin disease among scheduled tribes. |  |
| **4. EMOTIONS: BEFORE / AFTER EM**  Skin disease have an adverse impact on psychological well being and lead to more depressive symptoms ,social isolation , loneliness and decreased quality of life. |