### **AI-based localization and classification of skin disease with erythema**

**Project Design Phase-II**

# Entice

How does someone initially become aware of this process?

# Enter

What do people experience as they begin the process?

# Engage

In the core moments in the process, what happens?

# Exit

What do people typically experience

as the process finishes?

# Extend

What happens after the experience is over?

**Interactions**

v

**Things**

**Application website through Smartphone / PC**

Place

surroundings

**People**

**The user itself, friends , other dermatologists and collogues.**

**Things**

**Application website through Smartphone / PC**

Place

surroundings

**People**

**The user itself, friends , other dermatologists and collogues.**

**Things**

**Application website through Smartphone / PC**

Place

surroundings

People The user itself.

|  |  |  |
| --- | --- | --- |
| **People** | **Place** |  |
|  | **Things** |
| **The user themselves, friends, colleagues, and other Dermatologist.** | **Environment** | **Smartphone / PC** |

What encounters do they have along the road at each stop?

**People:** Why do they interact with or see?

**Places:** Where are the places?

**Things:** What tangible elements or digital touch pairs do they have?

**I should share some suggestions that makes the application more useful**

## Goals & motivations

Review the application with what I experience

Let me share this and give awareness about the application to my

community

Aim to gather additional information

I need to verify the accuracy of the information provided by the app

Self motivated by seeing information the application provides

I need to upload the right photo

I should gather the accurate information

I need to gather information about the allergies.

|  |  |  |
| --- | --- | --- |
|  | **Self motivates by** |  |
| **I need to explore**  **about the skin diseases.** | **exploring new type of skin diseases.** | **Excites to learn about the skin diseases.** |
|  |  |  |

At each step, what is the driving force or motivation?

## Positive moments

|  |  |  |
| --- | --- | --- |
| **The user excites by seeing the new allergies.** | **Gets happy by taking a good snap of that allergies.** | **curiously looks for the information** |
| **Gets frustrated if he/ she snaps a bad picture** | **Gets frustrated if he/ she doesn't find a new allergy** |  |

|  |  |  |
| --- | --- | --- |
| **Motivates when the user notices a specific tool to address the issue** | **Uploads the image with eagerness** |  |
| **If the application is too slow, the user gets frustrated** | **When the application doesn't work as expected, the user is**  **disappointed** | **The user gets angry if the application doesn't take the particular file format** |

|  |  |  |
| --- | --- | --- |
| **Gets excited by seeing the results on the application** | **If the information was accurate, the user is motivated** | **Continues to search about the allergies with eagerness** |
| **The identified species leads to confusing information** | **The application shows the incorrect information** | **The user is not satisfied if the application gives less information** |

|  |  |  |
| --- | --- | --- |
| **The user excites by seeing the new allergies** | **Gets happy by taking a good snap of that allergies.** | **Searches for the information with curiosity** |
|  | **Doesn't want to** |  |
| **Regrets using the** | **recommend or share** |
| **application** | **this application to** |
|  | **others** |

What actions do you think that a average person would find enjoyable, fruitful or exciting?

## Negative moments

The user is unhappy by the results of the application

What actions does atypical person find frustrating and confusing?

## Areas of opportunity

More data could be added for each

allergies.

Proper information should be given while training the model

**Application should be trained with various variety of skin diseases.**

The application should support most of the file format

Guest mode should be available so that user can use without registration

Take picture on different angles

Try to take better pictures of the disease

Consider using the application on the spot

Feedback / Suggestion should be collected inside the application

|  |  |  |
| --- | --- | --- |
|  | **Rating of the** | **A platform for** |
| **Referral feature can** | **application must be** | **posting what others** |
| **be added** | **showcased inside** | **trying to search and** |
|  | **the app** | **help each other** |

How can we improve each steps? What concepts should we implement?