**Ideation Phase**

**AI-Based Localization and Classification Of Skin Disease With Erythema**

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID13597 |
| Project Name | AI-Based Localization and Classification Of Skin Disease With Erythema |
| Industry Mentor Name | Sri Tulasi |
| Faculty Mentor Name | T Rajasekaran |
| Team Members Name | 1. Karthika N 2. Mathivathani N 3. Narmadha S 4. Preethi Akshaya R |
| Maximum Marks | 4 Marks |

**Steps for Brainstorming:**

**Step 1: Team Gathering, Collaboration and Select the Problem Statement**

**Step 2: Brainstorm, Idea Listing and Grouping**

**Step 3: Idea Prioritization**

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| **Brainstorm & idea prioritization** AI-BASED LOCALIZATION AND CLASSIFICATION OF SKIN DISEASE WITH ERYTHEMAThis is used for the prevention and early detection of skin cancer, and psoriasis. Basically, skin disease diagnosis depends on different characteristics like color, shape, texture, etc. Here the person can capture the images of skin and then the image will be sent to the trained model. The model analyses the image and detects whether the person is having skin disease or not.   **10 minutes** to prepare  **1 hour** to collaborate  **2-8 people** recommended  **Brainstorm & idea prioritization** | **Before you collaborate**  A little bit of preparation goes a long way with this session. Here’s what you need to do get going.    10 minutes   1. **Team gathering**   Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.   1. **Set the goal**   Think about the problem you'll be focusing on solving in the brainstorming session.   1. **Learn how to use the facilitation tools**   Use the Facilitation Superpowers to run a happy and productive session.  Open article | 1 **Define your problem statement** What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.    5 minutes  PROBLEM  Now a day’s people are suffering from skin diseases. It is rapidly increasing over the last few decades especially Melanoma is most diversifying skin cancer. To overcome the above 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, and etc. 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.  Key rules of brainstorming  To run a smooth and productive session  Stay in topic Encourage wild ideas  Defer judgment Listen to others  Go for volume If possible, be visual |

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| 2  **Brainstorm**  Write down any ideas that come to mind that address your problem statement.  **TIP**  You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!    10 minutes    Available 24 X 7  Multi image processing  Saves time and Cost  Live Chat Box  Appointment booking available  Available database for users  Report will be issued  Affordable  Feedback & review  Output image enhancement  Flexible & easy to implement  Efficient & convenient support for customer  Same accuracy as professional dermatologist  Easily Accessible  Ensure Security  Frequent ask question  Prediction is fast and intelligent manner    Sleek user interface  User Friendly  Trust worthy  Upload pictures from device  Customized dashboard feature  Helpline |

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| 3  **Group ideas**  Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.  20 minutes  Customized dashboard feature  Appointment booking available  Report will be issued  **GROUP 1**  Efficient & convenient support for customer  Upload pictures from device  Computer based diagnosis  Multiimage processing  Same accuracy as professional dermatologist  Output image enhancement  **GROUP 2**  Flexible and easy to implement  Available 24 X 7  Prediction is fast and intelligent manner  User Friendly  Available database for User  Saves time and cost  **GROUP 3**  Affordable  Sleek User interface  Easily accessible  Trustworthy  Feedback and Review  Ensure Security  **GROUP 4**  Live chat bot  Frequent Ask Question  Helpline |
| 4 **Prioritize** Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.  20 minutes | |

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