Project Design Phase-I Proposed Solution

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| Date | 14 October 2022 |
| Team ID | PNT2022TMID29468 |
| Project Name | Project - AI-Based localization and classification  of skin disease with erythema |

**Proposed Solution :**

Project team shall fill the following information in the proposed solution template.

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | User is a busy worker who needs an immediate result with more accuracy for his/her skin  problem but he/she has no time to visit  dermatologists in-person. |
| 2. | Idea / Solution description | 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. |
| 3. | Novelty / Uniqueness | Images with noise have also been taken and are enhanced with effective algorithms for  predicting the diseases. |
| 4. | Social Impact / Customer Satisfaction | By just uploading the images various skin diseases can be diagnosed and this system is very efficient which serves civilians to detect  the diseases earlier. |
| 5. | Business Model (Revenue Model) | As we are planning to design a proprietary  product as a solution and distribute it to users, this will serve as our return on investment. |
| 6. | Scalability of the Solution | This system is more scalable because it takes any type of images regardless of its resolution and it provides high performance irrespective of  the environment. |