**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 1 October 2022 |
| Team ID | PNT2022TMID27441 |
| Project Name | AI-based localization and classification of skin disease with erythema |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

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

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | To build an intelligent system using Artificial Intelligence-based classification algorithms to accurately judge and diagnose the dermatological disease by analyzing in-depth, the high-level features that are present in the images of the patient’s symptoms. |
|  | Idea / Solution description | The application is able to analyse the individual’s affected skin area against the person’s normal skin tone and texture and provide a specific treatment solution and can give alterative treatments as well. |
|  | Novelty / Uniqueness | Relative to other existing solutions, our project aims to have at least 65% more accuracy using photos taken from a normal smartphone and will suggest a treatment plan for the same. |
|  | Social Impact / Customer Satisfaction | Early diagnosis and treatment allows for potential skin diseases to be treated within the first few hours and minimises the spreading to other parts of the body. |
|  | Business Model (Revenue Model) | Pharmacists are able to make a considerable amount as regular customers are able to spend more on medicines due to the Consultation charges being nullified. |
|  | Scalability of the Solution | As the treatment has been suggested by the application itself, we can have tie-ups with pharmaceutical companies for ordering and delivering the medicines to the customer/patient’s door step. |