**PROJECT DESIGN PHASE – I**

**PROPOSED SOLUTION**

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| Date | 9 November 2022 |
| Team ID | PNT2022TMID03082 |
| Project Name | AI-based localization and classification of skin disease with erythema |
| Maximum Marks | 2 marks |

**PROPOSED SOLUTION:**

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | The problem of skin disease by bacteria, fungus and some other viruses trapped in skin pores and hair follicles. |
|  | Idea / Solution description | Classification of skin disease using Artificial Intelligence based image processing in order to be aware from the risks of infection. |
|  | Novelty / Uniqueness | Classification is done with computer aided diagnosis, the medical imaging will become easier than others, since it uses the artificial intelligence techniques in order improve the accuracy of dermatology diagnosis. |
|  | Social Impact / Customer Satisfaction | The physical problems like irritation and itching, they will be also feeling the psychological problems like stress, anxiety can be prevented. |
|  | Business Model (Revenue Model) | ­Application |
|  | Scalability of the Solution | Computers or mobile phones are portable.  The effects of skin disease could be avoided by using image processing technique in order to achieve the classification of skin disease. |

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