Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Date | 20 November 2022 |
| Team ID | PNT2022TMID52418 |
| Project Name | AI-based localization and classification of skin disease with erythema |
| Maximum Marks | 4 Marks |

# Functional Requirements:

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration through Form Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | User Profile | Users provides their medical history. |
| FR-4 | User Uploads Images (Input) | Upload Images as jpeg Upload Images as png |
| FR-5 | Output Analysis | Output analysed through trained model |
| FR-6 | Provides Description | Gives the detailed description of the skin disease found |

# Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | Used to classify skin disease with erythema |
| NFR-2 | **Security** | It offers greater security and prevents unauthorised individuals from accessing user’s data. |
| NFR-3 | **Reliability** | Even with more users, there will be a good  performance without failure. |
| NFR-4 | **Performance** | With greater accuracy, the performance is high. |
| NFR-5 | **Availability** | With a good system, all authorised users can access it. |
| NFR-6 | **Scalability** | Performance will be good even with the higher user  traffic, |