Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Date | 22/10/2022 |
| Team ID | PNT2022TMID12375 |
| 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 Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | User Interface | Login Form |
| FR-4 | Processing the image | Uses deep learning for yolo model and convolutional neural network . Recognizes object in an image. |
| FR-5 | Access Cloud services | Store the details in the cloudant database Retrieve the  needed information for user |

# 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** | Application can be used by anyone who has  knowledge about internet and computer |
| NFR-2 | **Security** | For security knowledge factor authentication is  enabled for user safety |
| NFR-3 | **Reliability** | Highly reliable since it uses trusted cloud services  like IBM |
| NFR-4 | **Performance** | Performance is better when compared with other  applications and market products |
| NFR-5 | **Availability** | Available on all devices and can be downloaded  from play store |
| NFR-6 | **Scalability** | Using cloud services makes the scalability a higher  one |