Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Date | 14 October 2022 |
| Team ID | PNT2022TMID52767 |
| Project Name | Project - 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 | Building block | * Build HTML pages for Registration, login, home, prediction, and log out. * A real-time object detection algorithm- YOLOV4 will be used. * OpenCV is used to perform image processing and computer vision tasks. |
| FR-2 | User Registration | * Register using email and password * Registration is possible on mobiles, laptops, and desktops. |
| FR-3 | User Confirmation | * Confirmation through email. * Confirmation through OTP. |
| FR-4 | User Interface | * User login form. * Admin login form. |
| FR-5 | Database | * Collect 50 images for each skin disease type * Annotate images using VOTT * Convert the annotated images to CSV and train the Yolo |
| FR-6 | Server | * Data Server has been installed as a * service and deployed in IBM cloud instances. |