**Project Design Phase-II**

Solution Requirements (Functional & Non-functional)

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID42059 |
| 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 | Photo capturing | Capture using mobile camera |
| FR-4 | Photo segmentation | Auto segmentation of the image |
| FR-5 | Classification of disease | Classification by model |
| FR- 6 | Confirmation of disease | Confirmed after analyzation |

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 | User access |
| NFR-2 | Security | U-Net Efficiency |
| NFR-3 | Reliability | Moderate |
| NFR-4 | Performance | High |
| NFR-5 | Availability | Accurate prediction on skin |
| NFR-6 | Scalability | medium |