

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

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| Date | 13 October 2022 |
| Team ID | PNT2022TMID04292 |
| Project Name | Project - A novel method of Handwritten Digit Recognition System |
| Maximum Marks | 4 Marks |

Functional Requirements:

Following are the functional requirements of the proposed solution.

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
|--------|-------------------------------|--|
| FR-1 | User Registration | Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Email |
| FR-3 | Login | Login page is displayed |
| FR-4 | Hand written File uploaded | Upload file to recognize the digit |
| FR-5 | Output display | The Appropriate digit is displayed on screen |

Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|--|
| NFR-1 | Usability | Usability is a measure of how well a specific user in a specific context can use a product/design to achieve a defined goal effectively, efficiently and satisfactorily. |
| NFR-2 | Security | security officers are tasked with securing the |

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| | | premises and personnel by staying on patrol, monitoring surveillance equipment, performing building inspections, guarding entry points, and verifying visitors |
| NFR-3 | Reliability | Reliability refers to how consistently a method measures something. If the same result can be consistently achieved by using the same methods under the same circumstances, the measurement is considered reliable |
| NFR-4 | Performance | performance means successful completion of a program required by the department, including an education, work, or other program. |
| NFR-5 | Availability | availability is whether someone or something can be accessed or used. |
| NFR-6 | Scalability | scalability is the measure of a system's ability to increase or decrease in performance and cost in response to changes in application and system processing demands |