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

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|---|---|
| Date | 03 October 2022 |
| Team ID | PNT2022TMID39460 |
| Project Name | Project – A NOVEL METHOD FOR 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 Form<br>Registration through Gmail<br>Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email<br>Confirmation via OTP |
| FR-3 | Focus | Focus on user requirements |
| FR-4 | Documentation | Captured in use case |
| FR-5 | Origin type | Usually defined by user |
| FR-6 | Objective | Describe what the product does |

**Non-functional Requirements:**

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

| FR No. | Non-Functional Requirement | Description |
|---|---|---|
| NFR-1 | **Usability** | How effectively users can learn, use, or control the solution/system. Examples:<br>How easy is it to learn and use?<br>Is it intuitive enough to use without training or resorting to documentation?<br>Does it support accessibility standards (e.g, section 508?) |
| NFR-2 | **Security** | A system's ability to prohibit unauthorized access, usage, or behavior modification While providing service to authorized users |
| NFR-3 | **Reliability** | Specifies the probability of the software performing without failure for a specific number of uses or amount of time |
| NFR-4 | **Performance** | The speed, Capacity, and Reliability of the system |
| NFR-5 | **Availability** | How long a system is available for users. This is time the system is not down due to outages or maintenance activities. Mean Time Between Failure (MTBP) is one metric that helps us characterize system availability |
| NFR-6 | **Scalability** | The ability of a solution or system to increase its capacity to serve clients and/or increase processing rates to match demand |