Project Design Phase-II

Solution Requirements (Functional & Non-functional)

|  |  |
| --- | --- |
| Date | 04 November 2022 |
| Team ID | PNT2022TMID50117 |
| Project Name | Project – NEWS Tracker Application |
| 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 Registration through Gmail Registration through LinkedIn Registration through Phone number |
| FR-2 | User Confirmation | Confirmation via OTP(Email)  Confirmation via OTP(SMS) |
| FR-3 | Transactions processing | Payment through Online |
| FR-4 | Authentication | Through Email Through SMS |
| FR-5 | Reporting | Through App Through Email  Through SMS |

# Non-functional Requirements:

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

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | 24/7 |
| NFR-2 | **Security** | Access permissions for the particular system information may only be changed by the system’s data administrator. |
| NFR-3 | **Reliability** | Automatic restart and operation recovery. |
| NFR-4 | **Performance** | The front-page load time must be no more than 2 seconds for users that access the website using an  LTE mobile connection. |
| NFR-5 | **Availability** | New module deployment mustn’t impact front page, product pages, and check out pages availability and mustn’t take longer than one hour. The rest of the pages that may experience problems must display a notification with a timer showing  when the system is going to be up again. |
| NFR-6 | **Scalability** | The website/app attendance limit must be scalable enough to support 200,000 users at a time. |