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

**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 |
| FR-2 | **User Confirmation** | Confirmation via Email<br>Confirmation via OTP |
| FR-3 | **User Login** | Username/Email-ID<br>Login with Password |
| FR-4 | **Admin Login** | Login with Username/Email-ID<br>Login with Password |
| FR-5 | **Inventory Management** | Track quantity of products present in inventory at any instant |
| FR-6 | **Tracking of stock** | Notifications through Email |

**Non-functional Requirements:**

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

| FR No. | Non-Functional Requirement | Description |
|---|---|---|
| NFR-1 | **Usability** | This cloud web application makes the process of inventory management a lot easier which saves money and time both. This system is highly responsive to both desktop and mobile users. |
| NFR-2 | **Security** | Inventory security aims to prevent inventory losses – for example, due to incorrect storage, theft, or incorrect incoming goods inspection – so that the correct stock is always available. |
| NFR-3 | **Reliability** | The availability of products should be properly updated for customer satisfaction. The out-of-stock information should be notified. The system must give accurate inventory status to the user continuously. |
| NFR-4 | **Performance** | The companies have to design and operate materials management and product distribution functions effectively. Inventory control systems enable a business to determine and maintain an optimum level of investment in inventory in order to achieve the required operational performance. |

| NFR-5 | **Availability** | The software will be available only to the administrator of the organization and the product, as well as customer details, will be recorded by him. He can manage the inventory. |
|---|---|---|
| NFR-6 | **Scalability** | The System can manage large inventory and provides quick access to the inventory in no time. |