

Project Design Phase-II

Solution Requirements (Functional & Non-Functional)

Date	02 NOVEMBER 2025
Team ID	NM2025TMIDO2391
Project Name	Laptop Request Catalog Item
Maximum Mark	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR.No	Components	Description
FR-1	Laptop Request Form	User can request a laptop through a guided catalog form.)
FR-2	Dynamic Field Selection	Form dynamically changes based on user type (e.g., employee, intern, manager).
FR-3	Request Validation	System checks that all required fields are filled before submission.
FR-4	Request Approval	Manager or IT admin reviews and approves/rejects the laptop request.
FR-5	Status Tracking	User can view current request status (Submitted, Approved, In Progress, Delivered).
FR-6	Notification Alerts	System sends automated email/SMS notifications for each status change.

FR-7	Reset Option	User can reset the form or withdraw a pending request if needed.
FR-8	Request History	User can view previously submitted laptop requests for reference.

Non-Functional Requirements:

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

FR.No	Components	Description
NFR-1	Usability	The catalog form should be intuitive, visually clean, and easy to navigate.
NFR-2	Security	Only authenticated users can request or approve laptops; sensitive data must be protected.
NFR-3	Reliability	The system must process requests accurately without data loss.
NFR-4	Performance	The form should load quickly and handle multiple submissions efficiently.
NFR-5	Availability	The portal should be accessible 24/7 for employees across departments.
NFR-6	Scalability	System sends automated email/SMS notifications for each status change.
NFR-7	Maintainability	The solution should support increasing numbers of employees and request types.

