

Date	31 OCTOBER 2025
Team ID	NM2025TMID00034
Project Name	Laptop Request Catalog Item
Maximum Marks	4 Marks

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	Catalog Form Submission	User can access and submit the "Laptop Request" form.
		The form must capture Request Type (New/Refresh/Repair).
		The form must capture the required Laptop Model (e.g., Standard or Developer).
FR-2	Automated Workflow	The system must automatically initiate a multi-stage approval workflow upon submission.
		The first approval must be routed to the requester's Manager.
		The system must automatically create a Fulfillment Task for the IT Hardware team after Manager approval.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-3	Asset Management Integration	The system must automatically create a new Asset record (CI) in the CMDB upon completion of the fulfillment task.
		The new Asset record must be linked to the requester and include the asset tag and model details.
FR-4	Notifications	The system must send an email notification to the requester upon submission, approval, and completion/fulfillment.
FR-5	Form Validation	The form must enforce mandatory fields (e.g., Manager Name, Business Justification) before submission.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability (UX)	The Service Catalog form interface must be simple, clear, and easy for all employees to use, requiring minimal training.
NFR-2	Performance	The workflow must process the request (submission, approval routing) in under 5 seconds to ensure a fluid user experience.
NFR-3	Reliability	The automated approval routing and task creation must function correctly 100% of the time.

FR No.	Non-Functional Requirement	Description
NFR-4	Security	Only authorized IT Fulfillment staff should be able to complete the final fulfillment task.
NFR-5	Scalability	The system should handle \$500+\$ requests per month without experiencing performance degradation.
NFR-6	Maintainability	The workflow logic must be modular and well-documented to allow for quick updates to laptop models or approval changes.