

## Project Design Phase – II

### Solution Requirements (Functional & Non-Functional)

<b>Date</b>	<b>Oct 28</b>
<b>Team Id</b>	<b>NM2025TMID07769</b>
<b>Project Id</b>	<b>Laptop request catalog item</b>
<b>Maximum Marks</b>	<b>4 marks</b>

### Functional Requirements

**Following are the functional requirements of the proposed solution.**

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Laptop Request Submission	User submits a laptop request through the Service Catalog form. Request includes laptop type, justification, and delivery details.
FR-2	Manager Approval Workflow	IT Asset Team checks stock availability in the asset inventory. If available, request moves to configuration stage.
FR-3	Asset Availability Verification	The system routes the request to the respective manager for approval. Manager can approve or reject the request.
FR-4	Laptop Procurement Process	If no laptops are available in stock, the system automatically generates a purchase order for the vendor.
FR-5	Laptop Configuration and Setup	IT team installs OS, required software, and applies security configurations.

### Non-Functional Requirements

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

NFR No	Non-Functional Requirement	Description
NFR-1	Usability	The interface should be user-friendly and simple for employees, managers, and IT staff to interact with.
NFR-2	Security	Only authorized users should be able to request, approve, or process laptop requests. All data must be encrypted and access-controlled.
NFR-3	Reliability	The system must ensure that approval and procurement processes run without failures or data loss.
NFR-4	Performance	The catalog item and workflow must be available 24/7 to support global users.
NFR-5	Availability	The catalog item and workflow must be available 24/7 to support global users.