

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

Date	29 JUNE 2025
Team ID	LTVIP2025TMID30344
Project Name	Asset Management Portal
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	Asset Request System	<ul style="list-style-type: none">- Users can request available assets via a form- Auto-populate user details via session/email
FR-2	Asset Lifecycle Management	<ul style="list-style-type: none">- Admin can mark assets as Lost, Damaged, or Repaired- Asset status updates automatically and is logged
FR-3	Notification & Alerts	<ul style="list-style-type: none">- Scheduled jobs send warranty expiry alerts to IT support- Email notifications for overdue returns
FR-4	Reporting System	<ul style="list-style-type: none">- Pie chart showing Available vs Assigned assets- Exportable reports for auditing
FR-5	Admin Dashboard	<ul style="list-style-type: none">- Search/filter assets by status, type, or user- View maintenance history and asset allocation history

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The UI should be simple, intuitive, and accessible to both admins and users
NFR-2	Security	Role-based access (RBAC), form validation, HTTPS encryption
NFR-3	Reliability	The system must maintain consistent asset status and track changes
NFR-4	Performance	The system must respond to user actions in < 2 seconds
NFR-5	Availability	Should be accessible 24/7 with minimal downtime (ServiceNow SaaS)
NFR-6	Scalability	Must support increasing number of asset records and concurrent users