

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	30 June 2025
Team ID	LTVIP2025TMID28956
Project Name	Asset Management Portal
Maximum Marks	4 Marks

Functional Requirements:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Asset Registration & Management	Add new assets with unique ID Edit existing asset details Delete obsolete or damaged assets
FR-2	Asset Allocation	Assign assets to specific users Track assigned assets
FR-3	Asset Request	Allow users to raise requests for new/extra assets View request history/status
FR-4	Requeuest Approval	Approve or reject asset requests by authorized managers

		Notify users about approval/rejection
FR-5	Asset Return & Notification	Set return deadlines and generate alerts Send email/SMS reminders for return or maintenance
FR-6	User Management	Create and manage user accounts Define and assign user roles and permissions

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	Performance	The portal should support up to 1000 concurrent users without performance lag.
NFR-2	Scalability	The system must be scalable to handle increased number of assets and users.
NFR-3	Security	Role-based access control and data encryption must be enforced.
NFR-4	Availability	The system should have 99.9% uptime, accessible 24/7.
NFR-5	Usability	The user interface should be simple, intuitive, and mobile-responsive.
NFR-6	Maintainability	The system should allow easy code updates and minimal downtime during upgrades.