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

Date	20 Feb 2026
Team ID	**LTVIP2026TMIDS60253**
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	Reqeuest Approval	Approve or reject asset requests by authorized managers

FR No.		
		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.