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

Date	29 MAY 2023
Team ID	NM2023TMID10674
Project Name	Electronic voting machine using block chain

Functional requirement

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Real-Time Monitoring	Verify the identity of voters securely through biometrics or a unique identifier like a voter ID card.
FR-2	Voter casting	Allow voters to cast their votes electronically while maintaining their privacy. Ensure a user-friendly interface for voters, including those with disabilities.
FR-3	Block chain integration	Utilize block chain technology to store and record votes in a tamper-proof and transparent manner. Use a decentralized block chain network to prevent a single point of failure.

FR-4	User feedback and support	Establish channels for users to report issues, provide feedback, and seek technical support.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Design a user-friendly interface for both voters and election officials, with clear and intuitive navigation. Ensure that the system is accessible to individuals with disabilities.
NFR-2	**Security**	The system should automatically be able authenticate all users with their unique username and password.
NFR-3	**Performance**	Ensure low latency in vote processing and result computation to maintain a smooth and efficient voting process. The system should be capable of handling peak loads during election hours without degradation in performance..

NFR-4	**Availability**	Information is restricted to each user’s limited access.
NFR-5	**Scalability**	The system should be able to handle an increasing number of voters and transactions without a significant drop in performance.