Project Design Phase-I
Proposed Solution Template

Date	19 October 2023
Project Name	Electronic Voting System

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Electronic Voting System: Traditional voting systems used in elections are fraught with numerous challenges, including susceptibility to fraud, manipulation, and a lack of transparency
2.	Idea / Solution description	Develop an electronic voting system on a blockchain to revolutionize the voting process, enhancing security, transparency, and accessibility, while restoring trust in democratic elections. This innovative system leverages blockchain's decentralized and tamper-resistant ledger for secure, auditable, and user-friendly voting
3.	Novelty / Uniqueness	The use of blockchain technology introduces an immutable, transparent, and decentralized approach to voting, which is unique in its ability to enhance election security and trustworthiness
4.	Social Impact / Customer Satisfaction	This innovative electronic voting system on a blockchain promotes increased voter participation, trust in elections, and satisfaction with the democratic process, fostering a more inclusive and transparent society.
5.	Business Model (Revenue Model)	Generate revenue by offering blockchain-based electronic voting solutions as a service to governments, electoral commissions, and organizations, with pricing based on the scale and complexity of elections conducted using the platform
6.	Scalability of the Solution	The scalability of blockchain-based electronic voting systems must be carefully managed to handle a large number of voters and transactions while maintaining security and performance. Layer 2 scaling solutions, like sidechains or off-chain protocols, can help alleviate scalability concerns.