Ideation Phase
Brainstorm & Idea Prioritization Template

Date	27 October 2023
Team ID	MN2023TMID06022
Project Name	Electronic Voting System
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

Step-1: Team Gathering, Collaboration and Select the Problem Statement

Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

5 minutes

PROBLEM

Designing a Secure and Transparent Electronic Voting System with Blockchain Integration for Mordern Elections

Key rules of brainstorming

To run an smooth and productive session

Stay in topic.   Encourage wild ideas.

Defer judgment.   Listen to others.

Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

TIP
You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

Person 1

Design of a resilient, scalable, and secure network

Real-time monitoring to protect against cyber threats.

Use a public or private blockchain, taking into consideration the level of transparency and control needed for the system

Person 2

Right balance between transparency and privacy is crucial for public trust

Ensuring transparency and trust in the election process.

Person 3

Security to protect against hacking, fraud,

Utilizing blockchain to create an immutable record of votes

Person 4

Secure and reliable methods for verifying voter identities

Stringent security measures, including encryption, multi-factor authentication, and real-time monitoring to protect against cyber threats.

The most suitable consensus mechanism for vote encoding and verification on the blockchain

Person 5

Persistent voting to keep voting results displayed on your Leaderboard board

Exploring the use of blockchain for secure mobile voting applications.

Person 6

Decentralized network to eliminate central points of failure

Balance between voter anonymity and the transparency of the election process

Person 7

Educate the public on the electronic voting system

Implementing such innovations can help advance the integrity of elections and democracy itself.

Voting, and result verification, making the process more efficient and reducing the potential for human errors.

Person 8

The most suitable consensus mechanism

Decentralized network to eliminate a single point of failure and improve system resilience.
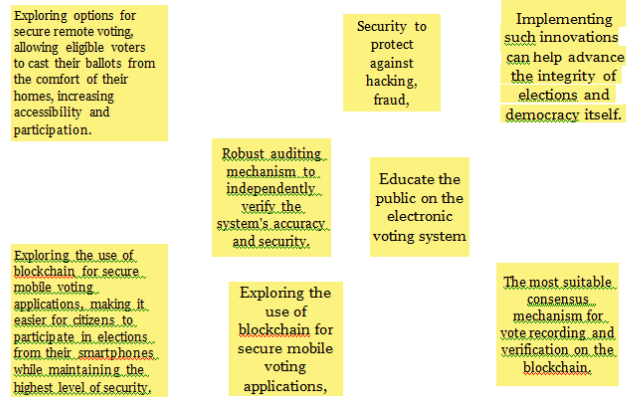
Step-2: Brainstorm, Idea Listing and Grouping

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

⏱ 20 minutes

Exploring options for secure remote voting, allowing eligible voters to cast their ballots from the comfort of their homes, increasing accessibility and participation.

Security to protect against hacking, fraud,

Implementing such innovations can help advance the integrity of elections and democracy itself.

Robust auditing mechanism to independently verify the system's accuracy and security.

Educate the public on the electronic voting system

Exploring the use of blockchain for secure mobile voting applications, making it easier for citizens to participate in elections from their smartphones while maintaining the highest level of security,

Exploring the use of blockchain for secure mobile voting applications,

The most suitable consensus mechanism for vote recording and verification on the blockchain.

Step-3: Idea Prioritization

④ Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

⏱ 20 minutes

Security to protect against hacking, fraud

Educate the public on the electronic voting system

Exploring the use of blockchain to secure mobile voting applications,

Importance

Feasibility