

IDEATION PHASE

BRAINSTORM & IDEA PRIORITIZATION

Date	27-10-2023
NM ID	2293583836916B695AE4C666E77755C4, 0870C04EDD17FE4AE08440D573C43631, 18B69E201065F4DBB4546D9A32CAC663, 393700C57B9BBB885F64C8CB89AE51A6,
Project Name	Project – Biometric Security System for Voting Platform
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization

1

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

How to design a secure and user-friendly biometric voting system using blockchain technology.

Key rules of brainstorming

To run an smooth and productive session

🗣️ Stay in topic.
 💡 Encourage wild ideas.

⏸️ Defer judgment.
 👂 Listen to others.

🗣️ Go for volume.
 👁️ If possible, be visual.

2

Brainstorm

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

🕒 10 minutes

Jenifar Fathima

Create a secure and user-friendly biometric data enrollment process.

Design for scalability and provide training and support for election officials.

research for existing system

Dharshini

Implement blockchain technology for secure and transparent vote recording.

Develop educational materials to help voters understand the system and its benefits.

Allow voters to verify their identities and votes through a secure process.

Kabitha

Ensure robust privacy measures and security protocols.

Ensure the system is accessible to all voters, including those with disabilities.

Incorporate multi-factor authentication for enhanced security.

Priyanka

Ensure regulatory compliance and real-time auditing.

Implement data backup and recovery mechanisms to prevent data loss.

Conduct extensive user testing to refine the system for ease of use.

3

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 can break it up into smaller sub-groups.

🕒 20 minutes

Technology-based solutions

Implement strong encryption methods to safeguard voters' biometric data, ensuring privacy and security.

Develop an intuitive mobile application for convenient voter registration and secure voting from personal devices.

Use blockchain-based smart contracts to automate and validate the voting process, enhancing transparency and accuracy.

Collaboration and knowledge sharing

Foster collaboration among government agencies, election bodies, and cybersecurity experts to share knowledge on secure voting technologies and best practices.

Establish partnerships with technology companies and academic institutions to tap into their expertise and resources for continuous knowledge sharing and system improvement.

Collaborate with other countries and global organizations to share insights and experiences in implementing secure and user-friendly biometric voting systems, promoting innovation and trust in the process.

Research and development

Invest in research to explore cutting-edge biometric authentication methods, such as iris scanning or facial recognition, to enhance the security and usability of the voting system.

Continuously develop and improve blockchain technology to make the voting platform more secure and transparent, allowing for more efficient and tamper-proof record-keeping.