Ideation Phase
Brainstorm & Idea Prioritization Template

Date	27 October 2023
Team ID	NM2023TMID05999
Project Name	BLOCKCHAIN-POWERED LIBRARY MANAGEMET
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

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

Step-2: Brainstorm, Idea Listing and Grouping

2

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!

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 break it up into smaller sub-groups.

20 minutes

TIP
Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

Person 1

- Utilize blockchain for transparent and secure book transaction records.
- Implement decentralized cataloging via smart contracts for efficient book organization.
- Create intuitive interfaces for seamless library book access and management.

Person 2

- Incorporate IoT for automated book check-ins and check-outs, streamlining borrowing.
- Utilize blockchain for secure library system authentication and tamper-proofing.
- Deploy robust encryption for safeguarding sensitive user data and compliance.

Person 3

- Ensure smooth integration with existing library systems for blockchain transition.
- Set up reliable data backup to ensure uninterrupted library operations.
- Incorporate user reviews and forums to build an interactive community.

Person 4

- Create a scalable, adaptable system for evolving library requirements.
- Implement NFTs (Non-Fungible Tokens) for rare book collections, enabling digital ownership certificates.
- Integrate blockchain-powered copyright management to protect intellectual property rights and ensure fair use.

- Make special digital certificates for really special books, so everyone knows who owns them.
- Use computers to suggest books you might like based on what you've read before.
- Keep track of how people give money or books to the library, so everyone knows what's happening.
- Make sure that people can't steal other people's writing and everyone can use it fairly.
- Use small online payments to read books, like a few cents, so the library can make money to get more books.

Step-3: Idea Prioritization

Importance

If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

- Allow people to read digital books by paying a small amount online, making it easy for the library to buy more books.
- Ensure that writers' ideas are kept safe so that no one can copy them without permission.
- Use computers to suggest books you might like based on what you've read before.
- Make sure that all the important information about books and people who borrow them is kept secure and can't be lost.
- Make sure that people can't steal other people's writing and everyone can use it fairly.
- Create easy-to-use computer screens for people to find and borrow books easily.
- Make it quick and easy for people to borrow and return books without waiting in long lines.
- Make special digital certificates for really special books, so everyone knows who owns them and they can't be copied.
- Keep a clear record of how people give money or books to the library, so everyone can see what's happening.