

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	19 October 2023
Team ID	NM2023TMID00947
Project Name	Agriculture Docs Chain
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:


Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

Reference:

<https://app.mural.co/t/naanmudhalvan63213/m/naanmudhalvan63213/1698390070292/9a2220fdd47b7a3aba6621278be85b88a63d376b?sender=u6a8db5095f630a8474451028>

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

<div>Template</div> <div></div> <div>Brainstorm & idea prioritization</div> <div>Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.</div> <div><div>10 minutes to prepare</div><div>1 hour to collaborate</div><div>2-8 people recommended</div></div>	<div><div>➔</div><div>Before you collaborate</div><div>A little bit of preparation goes a long way with this session. Here's what you need to do to get going.</div><div>10 minutes</div></div> <div><div>➔</div><div>Team gathering</div><div>Invite who should participate in the session and send an invite. Share relevant information or previous draft.</div></div> <div><div>➔</div><div>Set the goal</div><div>Think about the problem you'll be focusing on solving in the brainstorming session.</div></div> <div><div>➔</div><div>Learn how to use the facilitation tools</div><div>Use the Facilitation Superpowers to run a happy and productive session.</div><div>Open article ➔</div></div>	<div><div>➔</div><div>Define your problem statement</div><div>The problem at hand is the inefficient and fragmented management of agricultural data, hindering informed decision-making and data security for farmers and stakeholders.</div></div> <div><div>PROBLEM</div><div>The problem at hand is the inefficient and fragmented management of agricultural data, hindering informed decision-making and data security for farmers and stakeholders. This is a complex problem that requires a multi-faceted approach. The first step is to identify the key stakeholders involved in the process, including farmers, agribusinesses, and government agencies. Next, it's important to understand the specific pain points and challenges faced by each group. Once this information is gathered, the next step is to develop a clear and concise problem statement that captures the essence of the issue. This statement should be used to guide the brainstorming session and ensure that all ideas generated are directly related to the problem at hand.</div></div>
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Step-2: Brainstorm, Idea Listing and Grouping

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Brainstorm

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

🕒 10 minutes

RAHUL

- Develop a mobile app for farmers to access their data and receive notifications.
- Implement an incentive mechanism using a native token for data contributors.
- Consider integrating machine learning algorithms to provide predictive analytics.

GAYATHRI

- Implement a user-friendly web interface for farmers to interact with the smart contract.
- Integrate oracles to fetch real-world weather and market data for better decision-making.
- Utilize decentralized identity systems to ensure data privacy and security.

BHAVANI

- Focus on scalability and optimize gas costs for transactions.
- Ensure regulatory compliance for agriculture data management on the blockchain.
- Explore partnerships with agricultural organizations to increase adoption.

BARATH

- Explore data encryption techniques to protect sensitive information like crop yield and farmer details.
- Investigate interoperability with other blockchains or networks to enhance data sharing.
- Research using NFTs to represent unique farm profiles or certifications.



Step-3: Group ideas and Prioritize

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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

USER INTERFACE AND ACCESSIBILITY

Develop a user-friendly web interface and a mobile app for farmers.

Ensure decentralized identity and data privacy.

Explore NFTs for representing unique farm profiles.

DATA SECURITY AND PRIVACY

Enhance data security with oracles and encryption techniques.

Investigate decentralized storage for large datasets.

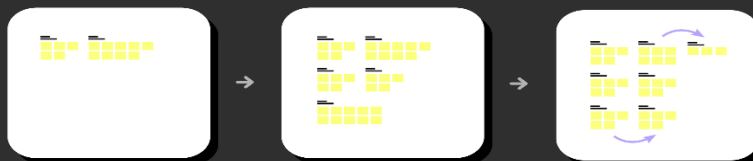
Implement data encryption and compliance with regulations.

DATA UTILIZATION AND INCENTIVES

Integrate machine learning for predictive analytics.

Create an incentive mechanism using a native token.

Consider a data marketplace for buying and selling insights.



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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

