IdeationPhase
Brainstorm&IdeaPrioritizationTemplate

Date	01-11-2023
TeamID	NM2023TMID09626
ProjectName	AgricultureDocsChain
MaximumMarks	4 Marks

Brainstorm&IdeaPrioritization :

Step-1:TeamGathering,CollaborationandSelecttheProblemStatement

Brainstorm & idea prioritization

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.

🕐 **10 minutes** to prepare
🏆 **1 hour** to collaborate
👤 **2-8 people** recommended

Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

🕐 10 minutes

A **Team gathering**
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

B **Set the goal**
Think about the problem you'll be focusing on solving in the brainstorming session.

C **Learn how to use the facilitation tools**
Use the Facilitation Superpowers to run a happy and productive session.

Open article →

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

The problem at hand is the inefficient and fragmented management of agricultural data, hindering informed decision-making and data security for farmers and stakeholders. Existing systems lack user-friendly interfaces and real-time data access, which results in data inaccuracy, inconsistency, and vulnerability. The "Agriculture Docs Chain" project aims to revolutionize agricultural data management, providing a secure and user-friendly solution on the Ethereum blockchain, ensuring data integrity, accessibility, and reliability for better decision making in the agriculture sector.

Need some inspiration?
See a finished version of this template to kickstart your work.

Open example →

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

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

10 minutes

PARAMASIVAM

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.

ASWIN

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.

SRIGANTH

Ensure regulatory compliance for agriculture data management on the blockchain.

Focus on scalability and optimize gas costs for transactions.

Explore partnerships with agricultural organizations to increase adoption.

MUTHUKUMAR

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.

MONIESH

Create a decentralized storage solution for large agricultural datasets.

Consider the development of a data marketplace for buying and selling agricultural insights.

Establish a governance model to involve stakeholders in decision-making.

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 and 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

Implement data encryption and compliance with regulations.	Investigate decentralized storage for large datasets.	Enhance data security with oracles and encryption techniques.

DATA UTILIZATION AND INCENTIVES

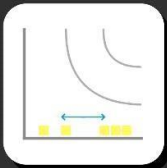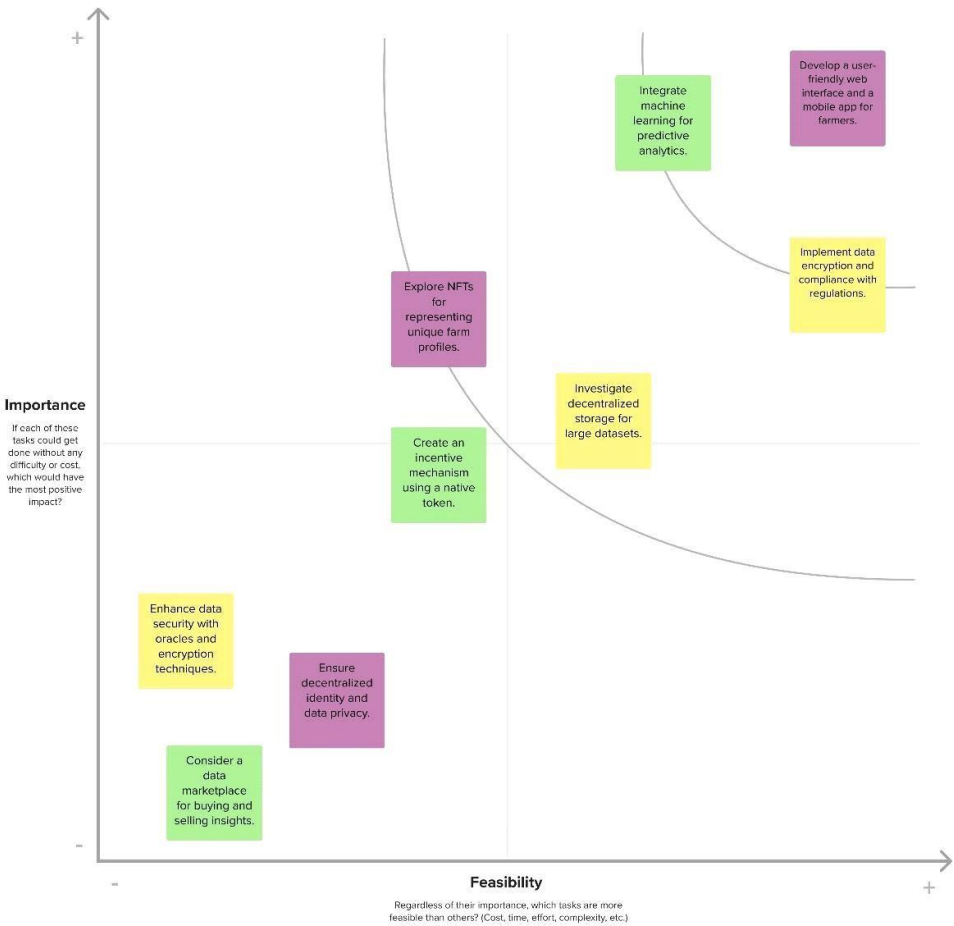|		
Integrate machine learning for predictive analytics.	Create an incentive mechanism using a native token.	Consider a data marketplace for buying and selling insights.

Step-3:IdeaPrioritization

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.
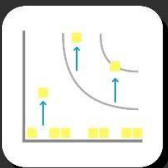
🕐 20 minutes

TIP
Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the **H key** on the keyboard.

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

Integrate machine learning for predictive analytics.

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

Explore NFTs for representing unique farm profiles.

Implement data encryption and compliance with regulations.

Investigate decentralized storage for large datasets.

Create an incentive mechanism using a native token.

Enhance data security with oracles and encryption techniques.

Ensure decentralized identity and data privacy.

Consider a data marketplace for buying and selling insights.

Feasibility
Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)