

## Ideation Phase Brainstorm & Idea Prioritization Template

Project Name	Vaccine Tracking - Transparent
Maximum Marks	4 Marks

**Team Leader : Chandru K**

**Team member : Ariharan D**

**Team member : Arun A**

**Team member : Arunachalam D N**

### Brainstorm & Idea Prioritization :

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

**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

"The current manual vaccine record-keeping system poses patient safety risks due to inaccuracies, necessitating the implementation of a blockchain-based solution for real-time, secure tracking."



In the healthcare sector, the current vaccine tracking and administration system relies heavily on manual record-keeping and paper-based processes, resulting in significant challenges. These challenges include data inaccuracies, limited transparency in the vaccine supply chain, potential risks of counterfeit vaccines, and inefficiencies in data management. As a result, healthcare professionals spend excessive time on administrative tasks, patient safety is compromised, and regulatory compliance is hindered by the potential for data manipulation. To address these critical issues and enhance vaccine tracking and administration, there is an urgent need for a comprehensive, secure, and transparent blockchain-based solution. The "Vaccine Tracking - Transparent using Blockchain" project seeks to tackle these problems by leveraging Node.js, React, and Ethereum's Solidity for smart contracts to create a system that ensures data accuracy, enhances patient safety, and strengthens regulatory compliance in the vaccination process.

## 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

#### TIP

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

### Fahima

Current system is inefficient, insecure, and fragmented.

Blockchain can address all these challenges.

Blockchain-based system can improve efficiency, enhance security, and facilitate data sharing.

### Kanaga

Blockchain can help improve public health outcomes

Blockchain can help reduce the risk of vaccine-preventable diseases.

Blockchain can help improve the transparency and accountability of the vaccine supply chain.

### Suchismita

Blockchain can create a global vaccination database.

Blockchain can develop new vaccine delivery systems.

Blockchain can develop new vaccine financing mechanisms.

### Johanna

Blockchain can create personalized vaccination schedules.

Blockchain can develop new vaccine reminders and alerts.

- Blockchain can develop new vaccine safety monitoring systems.

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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

#### TIP

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

**Data  
Accuracy  
and Patient  
Safety**

**Transparency  
and  
Verification**

**Blockchain  
Solution and  
Data  
Security**

### **Step-3: Idea Prioritization**

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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

### 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.

