IDEAS WHICH WE ARE STUCK AT:

1 How to update the value of the database as the resources go on decreasing in the zone. we are gonna employ a person to do that but is there any alternate way?

Ans:Consider implementing a automated system that tracks resource consumption in real-time, using IoT sensors or scanners to monitor inventory levels.

- Integrate a reporting feature in the app for volunteers or relief workers to update resource levels manually.

2. How to collect the resources needed by the people in the disaster zone from this USSD concept

Establish partnerships with local organizations, NGOs, or government agencies to collect and distribute resources.

- Use the USSD system to broadcast resource requests to potential donors and volunteers.

3. Is there any way to update the value of goods in the database in any other alternate and efficient way as per the problem statement ?

Explore using blockchain technology to create an immutable and transparent ledger for tracking resource inventory and updates.

- Implement machine learning algorithms to predict resource consumption patterns and optimize inventory management.

Solution:\*

1. \*Automated Resource Tracking System\*:

- Implement IoT sensors or scanners to monitor inventory levels in real-time.

- Integrate a reporting feature in the app for volunteers or relief workers to update resource levels manually.

- Use machine learning algorithms to predict resource consumption patterns and optimize inventory management.

2. \*Resource Collection and Distribution\*:

- Establish partnerships with local organizations, NGOs, or government agencies to collect and distribute resources.

- Use the USSD system to broadcast resource requests to potential donors and volunteers.

- Create a digital map to visualize resource availability and needs.

3. \*Blockchain-based Inventory Management\*:

- Explore using blockchain technology to create an immutable and transparent ledger for tracking resource inventory and updates.

- Implement smart contracts to automate inventory management and resource distribution.