Ideation Phase Empathize & Discover

Date	30 October, 2023
Team ID	C7C771C79AB29EB849E4344BC64B6513
Project Name	Project:Climate Track Using Smart Block-chain
Maximum marks	2 mark

Problem Statement Definition:

Create a problem statement to understand your customer's point of view.The Customer problem statement template helps you focus what matters to create experiences people will love.

A well-articulated problem customer problem statement allows you and your team to find the ideal solution for the challenges yours customer safe.thorughtout the process,you'll also be able to empathize with your customers,which helps you better understand how they perceive your product or service

Problem statement:

In the face of global climate change, there is an increasing need for a reliable, secure, and transparent system to track, verify, and manage climate-related data and assets. Current methods for monitoring carbon emissions, renewable energy production, or carbon credits trading lack transparency, are often subject to fraud, and have limited crossborder compatibility. To address these challenges, the problem statement is to develop a "climate track smart" system using blockchain technology. This system should enable the secure and decentralized tracking of climate-related activities, assets, and data to ensure accuracy, prevent fraud, and facilitate efficient reporting and trading on a global scale.

Key elements of this problem statement include:

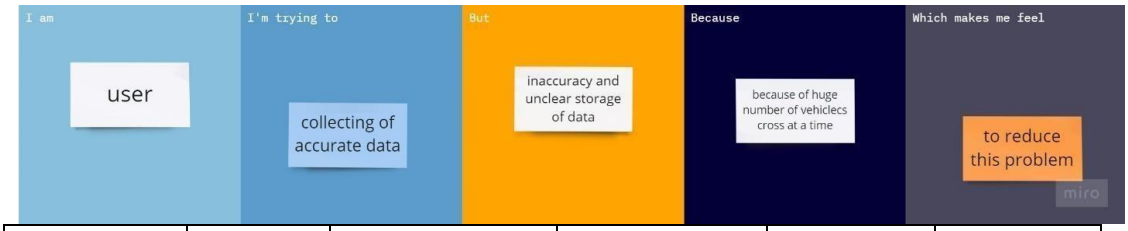
Climate Data Tracking: Designing a system that can accurately track climate-related data, such as carbon emissions, temperature changes, and renewable energy production, in realtime or near-real-time.

Verification and Transparency: Ensuring that the system provides transparent, immutable records that can be verified by relevant stakeholders, including governments, organizations, and the public.

Security and Fraud Prevention: Implementing robust security measures to prevent fraudulent or unauthorized changes to the data and ensure the integrity of the information.

Interoperability: Creating a system that can function across borders and with different types of climate data, enabling global cooperation and consistency.

Efficiency and Automation: Developing smart contract functionalities or automation to simplify processes such as carbon credit trading, compliance reporting, and data sharing.



Problem Statement	I am (User)	I am Trying to	But	Because	Which Makes me feel

PS-1	User	To track Climate in smart contrct using blockchain	High computational Resources required	Large Volume of Data storage	Implement the high data Storage device
PS-2	User	To track Climate in smart contrct using blockchain	Inaaccurate Climate curent data	Huge number user use at time	Use high quality & Required Sensor
PS-3	User	To track Climate in smart contrct using blockchain	Limited Scalability Covarage	Verification and Transparency	Use Highly Scalability Devices
PS-4	User	To track Climate in smart contrct using blockchain	To Analyze The data of user form another user	Security and Fraud Prevention	To improve security.