

Project Design Phase-1 Proposed Solution

Date	30 October,2023
Team ID	C7C771C79AB29EB849E4344BC64B6513
Project Name	Project:Climate Track Using Smart Block-chain
Maximum marks	4 mark

Proposed Solution:

Project team shall fill the following information in proposed Solution template.

S.No	Parameter	Description
1	Problem statement (To be solved)	Transparency,Data accessibility and Security: Securely collect,validate,store climate data from various source. Enable transparent data sharing with Stakeholders through a user friendly interface.
2	Idea / Solution Description	1. Immutable and transparent records 2. Decentralized Data Accessibility 3. Enhanced Security and privacy
3	Novelty / Uniqueness	1. Decentralized and Secure Data Access. 2. Transparency and Auditability

4	Social Impact / User satisfaction	<p>Robust Data security: Blockchain inherent security feature such as cryptography And mechanics of climate science.</p> <p>Imporoved Data Accessibility: Blockchain technology facilitates decentralized data storage and retrieval.</p>
5	Business model(Revenue model)	<p>Data subscription ModelAllow user to customized their data specific needs</p> <p>Data verification serviceEstablish reputation where data providers with verified.</p>
6	Scalability of the solution	<p>Scalability-Sharding,layer 2 solution,Consensus optimization.</p> <p>Data Accessibility-Public data availability,Data Interoperability,Data provenance and auditing.</p> <p>Security-Encryption,Access Control and identy Management,Smart contract Auditing.</p>