ProjectDesignPhase-1
Proposed Solution

Date	30October,2023
Team ID	NM2023TMID00991
ProjectName	Project:Climate Track Smart Using Block-chain
Maximummarks	4mark

ProposedSolution:

Projectteamshallfillthefollowinginformationin proposed Solution template.

S.No	Parameter	Description
1	Problemstatement (To be solved)	**Transparency,Data accessibility and Security:** Securely collect,validate,store climatedatafromvarioussource. Enable transparent data sharing with Stakeholders through a user friendlyinterface.
2	Idea/Solution Description	1. Immutableandtransparent records 2. DecentralizedData Accessibility 3. EnhancedSecurityand privacy
3	Novelty / Uniqueness	1. DecentralizedandSecureData Access. 2. TransparencyandAuditability

4	SocialImpact/User satisfaction	**Robust Data security:** Blockchaininherentsecurity featuresuchascryptography And mechanics of climate science. **ImporovedDataAccessibility:** Blockchain technology facilitates decentralized data storageandretrieval.
5	Business model(Revenue model)	**Data subscription Model**-Allowusertocustomizedtheir data specific needs **Data verification service**-Establishreputationwheredata providers with verified.
6	Scalabilityofthe solution	**Scalability**-Sharding,layer 2 solution,Consensusoptimization. **Data Accessibili**ty-Public data availability,Data Interoperability,Dataprovenance and auditing. **Security**-Encryption,Access Control and identy Management,Smartcontract Auditing.