Project Design Phase-I
Proposed Solution

Date	23-10-2023
Team ID	Team-592963
Project Name	Smart Home – Temperature Prediction
Maximum Marks	2 Marks
Team members	P.Sri Naga Varsha S.Guna Sekhar T. Shreyansh

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The problem to be solved in the smart home temperature prediction project is to create a system that accurately predicts and regulates the temperature in a smart home environment. The system should address some challenges
2.	Idea / Solution description	It should address following challenges: ● Inaccurate temperature predictions ● Lack of control over temperature settings ● Sudden temperature variations ● Difficulty in understanding and interpreting ML-based predictions

3.	Novelty / Uniqueness	- Integration of Multiple Data Sources - Adaptive Learning and Continuous Improvement - Energy Optimization and Sustainability - Seamless Integration with Smart Home Devices - User-Friendly Interface and Interaction - Privacy and Security Measures
4.	Social Impact / Customer Satisfaction	- Improved Comfort and Convenience - Energy Efficiency and Sustainability - Cost Savings - Health and Well-being - User Empowerment - Accessibility - User Satisfaction
5.	Business Model (Revenue Model)	- Product-based Model - Subscription-based Model - Value-added Services Model - Partnership Model - Freemium Model - Data Monetization Model
6.	Scalability of the Solution	- Cloud-based Infrastructure - Distributed Computing - Modular Architecture - Load Balancing - Horizontal Scaling - Efficient Data Storage and Processing