Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	591312
Project Name	Project – Solar panel forecasting
Maximum Marks	2 Marks

Proposed Solution :

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Optimizing Solar Energy Utilization Through Accurate Solar Panel Forecasting
2.	Idea / Solution description	Our solar panel forecasting system is an advanced and accurate solution designed to predict solar energy production, optimizing energy generation and consumption for residential, commercial, and industrial solar panel system owners. By harnessing cutting-edge technology and data analytics, our system offers precise forecasts, proactive decision-making, and improved operational efficiency.
3.	Novelty / Uniqueness	Data Visualization and User Experience: Unique forecasting services offer user-friendly data visualization tools and dashboards, making it easy for customers to interpret and act upon forecasting data.
4.	Social Impact / Customer Satisfaction	Environmental Sustainability -Energy Accessibility -Energy Accessibility -Customer Satisfaction: -Cost Savings -Sustainability -Data-Driven Decision-Making
5.	Business Model (Revenue Model)	Creating a business model for a solar panel forecasting service requires a well-thought-out plan to generate revenue while delivering value to your customers. -Customer Segments -Revenue Streams -Consulting and Integration Services -Licensing and Data Sales

6.	Scalability of the Solution	Scalability in the context of solar panel forecasting refers to the ability of the forecasting system to handle increased demands and data inputs as it grows, without a proportional increase in complexity or cost. Scalability is crucial to accommodate larger solar installations and ensure the system's efficiency.