Project Design Phase-I

Proposed Solution

Date	19 Oct. 2023
Team ID	Team-591295
Project Name	Unearthing the Environmental Impact of Human Activity: A Global CO2 Emission Analysis
Maximum Marks	2 Marks

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	This project aims to address the problem of global warming and its likely correlation with increasing atmospheric carbon dioxide (CO2) levels due to human activities. It seeks to analyse CO2 emissions and their impact on the environment, enabling researchers and experts to predict trends in global warming. The project will also highlight the significance of reducing annual CO2 emissions.
2.	Idea / Solution description	The project's core idea involves conducting a comprehensive data analysis of global CO2 emissions. It will focus on the primary source of CO2 emissions, which is the burning of fossil fuels, and provide nation-wise data detailing annual changes. This analysis aims to help researchers gain insights into the factors driving global warming, paving the way for data-driven decisions and environmental policies.
3.	Novelty / Uniqueness	The project's uniqueness lies in its extensive data analysis, which can help predict global warming trends more accurately. By offering data-driven insights and predictions, it contributes to the field of environmental science and policy. It highlights the importance of reducing CO2 emissions on a global scale, making it a novel approach to combating climate change.

4.	Social Impact / Customer Satisfaction	The project's social impact is substantial. By raising awareness of the impact of CO2 emissions and the importance of reducing them, it can drive action to combat climate change. This will lead to customer satisfaction in terms of contributing to environmental preservation and supporting a sustainable future.
5.	Business Model (Revenue Model)	While the project may not directly generate revenue, it has the potential to attract funding opportunities. Organizations, research institutions, or governments interested in environmental conservation may support the initiative due to its societal and environmental benefits.
6.	Scalability of the Solution	The data analysis methods and tools employed in the project are scalable. The project can adapt to accommodate additional data sources, ongoing data collection, and emerging environmental concerns. This scalability ensures the sustainability of the solution in the long term.