Naan Mudhalvan

Global CO2 Emission

Global CO2 emissions are the release of carbon dioxide into the atmosphere from human activities, contributing to climate change and environmental degradation. Carbon emissions from human activities, causing climate change and environmental problems.

BRAINSTORM AND IDEA PRIORITIZATION

Brainstorming is a creative problem-solving technique that involves generating a large number of ideas in a short period of time. The process usually involves a group of people sharing ideas in a structured or unstructured way, and building on each other's contributions to generate more ideas.

PROBLEM STATEMENT

Problem statement is a concise and clear statement that defines our issue or challenge that our team intends to solve or address through our brainstorming session.

PROBLEM

How might we reduce global CO2 emissions while maintaining economic growth and improving the standard of living for all people?

BRAINSTORM

Our team of four is brainstorming ideas to address the issue of global CO2 emissions. We are committed to exploring a multifaceted approach to mitigate the effects of climate change and ensure a sustainable future. We are committed to working collaboratively to explore the feasibility and impact of each idea and prioritize them based on their potential to reduce global CO2 emissions. Our ultimate goal is to contribute to a sustainable and resilient future for generations to come.

ESAKKI RAGHAV

1. Implementing a carbon tax to incentivize businesses to reduce their emissions and invest in cleaner technologies.
2. Investing in renewable energy sources such as solar, wind, and geothermal to replace traditional fossil fuels.
3. Encouraging the adoption of electric vehicles and increasing public transportation to reduce the number of cars on the road.
4. Promoting carbon capture and storage technology to capture and store CO2 emissions from power plants and industrial facilities.

JAYA MANICKAM

5. Developing new carbon-neutral building materials and construction techniques to reduce emissions from the construction industry.
6. Encouraging individuals to reduce their carbon footprint by making changes to their lifestyle, such as reducing meat consumption, using reusable products, and conserving energy.
7. Establishing international agreements to reduce emissions and hold countries accountable for their contributions to global CO2 emissions.
8. Creating incentives for businesses to invest in green technologies and sustainable practices.

NAVARASU

9. Increasing public awareness of the impact of CO2 emissions and the importance of reducing them.
10. Encouraging the development of carbon-neutral agriculture and forestry practices.
11. Investing in research and development to find new and innovative ways to reduce emissions.
12. Implementing policies to promote the use of public transportation, biking, and walking.

SEENIVASAN

13. Encouraging the adoption of energy-efficient appliances and lighting.
14. Developing new technologies to make industrial processes more energy-efficient and reduce emissions.
15. Investing in the preservation and restoration of natural carbon sinks, such as forests and wetlands.
16. Encouraging the development of low-carbon industries and promoting sustainable economic growth.

GROUP IDEAS

Our team of four has identified 16 potential ideas to reduce global CO2 emissions, ranging from implementing a carbon tax and promoting renewable energy sources to increasing public awareness and investing in sustainable economic growth. We have grouped these ideas based on their potential impact. By categorizing these ideas, we aim to identify the most effective strategies to reduce CO2 emissions and create a comprehensive plan to address the issue.

CARBON PRICING AND INCENTIVES

- Implementing a carbon tax
- Creating incentives for businesses to invest in green technologies and sustainable practices

RENEWABLE ENERGY

- Investing in renewable energy sources
- Promoting carbon capture and storage technology

TRANSPORTATION

- Encouraging the adoption of electric vehicles and public transportation
- Implementing policies to promote the use of public transportation, biking, and walking

AWARENESS AND EDUCATION

- Increasing public awareness of the impact of CO2 emissions
- Encouraging individuals to reduce their carbon footprint

INNOVATION AND RESEARCH

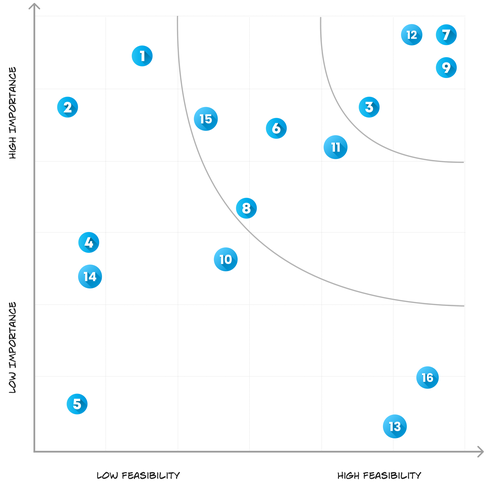
- Investing in research and development to find new and innovative ways to reduce emissions
- Developing new technologies to make industrial processes more energy-efficient

AGRICULTURE AND FORESTRY

- Encouraging the development of carbon-neutral agriculture and forestry practices
- Investing in the preservation and restoration of natural carbon sinks

PRIORITIZE

Our team of four has prioritized the 16 potential ideas to reduce global CO2 emissions based on their potential impact. We recognize that a comprehensive approach is necessary to achieve significant progress in reducing global CO2 emissions. We have considered factors such as political will, social and economic context, and technological feasibility to identify the most effective strategies to address the issue. By prioritizing these ideas, we aim to create a sustainable and resilient future for generations to come.



ABOUT US

We are a team of four final year undergraduate students from St. John's College, Palayamkottai, Tirunelveli studying in the Mathematics department (S.F). We have come together to brainstorm ideas to address the issue of global CO2 emissions, using our knowledge and skills in Mathematics to approach the problem from a unique perspective. Our team is committed to exploring innovative solutions and contributing to a sustainable and resilient future for generations to come.

OUR TEAM

- ESAKKI RAGHAV A (TEAM LEADER)
- JAYA MANICKAM S
- NAVARASU A
- SEENIVASAN M