PROJECT REPORT

1 INTRODUCTION

1.1 Overview

"Unearthing the Environmental Impact of Human Activity: A Global CO2 Emission Analysis" was a project aimed at understanding the impact of human activity on the environment through the analysis of global carbon dioxide (CO2) emissions. The project involved collecting and analyzing data on CO2 emissions from various sources and assessing their contribution to climate change and global warming. The project sought to identify patterns and trends in CO2 emissions across different regions of the world and to develop strategies for reducing these emissions and mitigating their impact on the environment.

During the project, various tools and techniques were used, including data visualization. The project was aimed at raising public awareness about the importance of reducing carbon emissions and taking action to address climate change. It highlighted the urgent need to transition to more sustainable practices and technologies, such as renewable energy sources and energy-efficient buildings and transportation.

Ultimately, the success of the project depended on the availability and accuracy of data on CO2 emissions and the cooperation of the team members. By unearthing the environmental impact of human activity, the project inspired action and drove positive change towards a more sustainable future.

1.2 Purpose

The use of the "Unearthing the Environmental Impact of Human Activity: A Global CO2 Emission Analysis" project is to provide insights and information that can help policymakers, businesses, and individuals make informed decisions and take action to reduce carbon emissions and mitigate the impact of climate change.

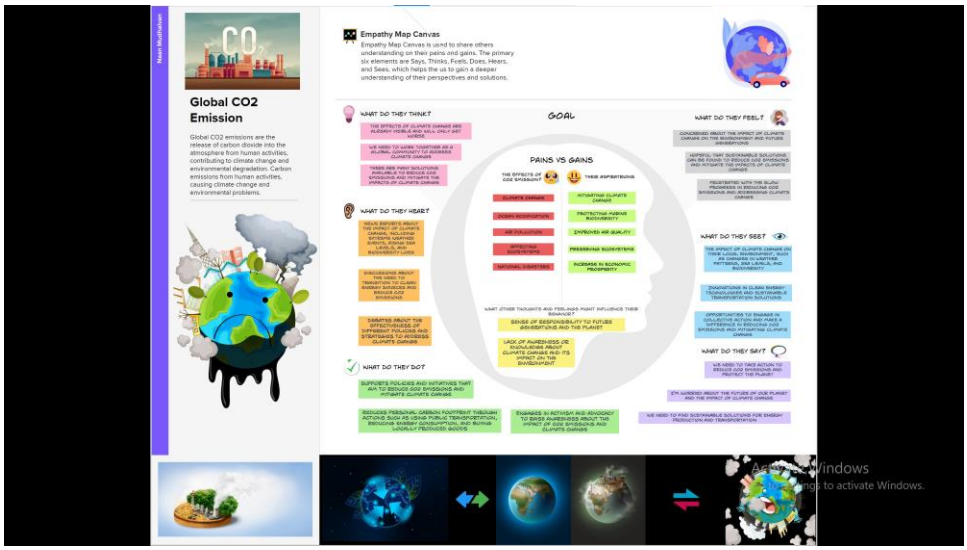
The project's findings can be used to develop and implement effective strategies for reducing carbon emissions and promoting sustainable practices in various sectors, such as transportation, industry, and energy production. It can also be used to identify areas where additional research and development are needed to improve the accuracy and availability of data on carbon emissions.

Furthermore, the project's results can help raise public awareness about the environmental impact of human activity and inspire individuals to take action to reduce their carbon footprint. It can also encourage individuals and organizations to adopt more sustainable practices and technologies, such as using renewable energy sources and energy-efficient buildings and transportation.

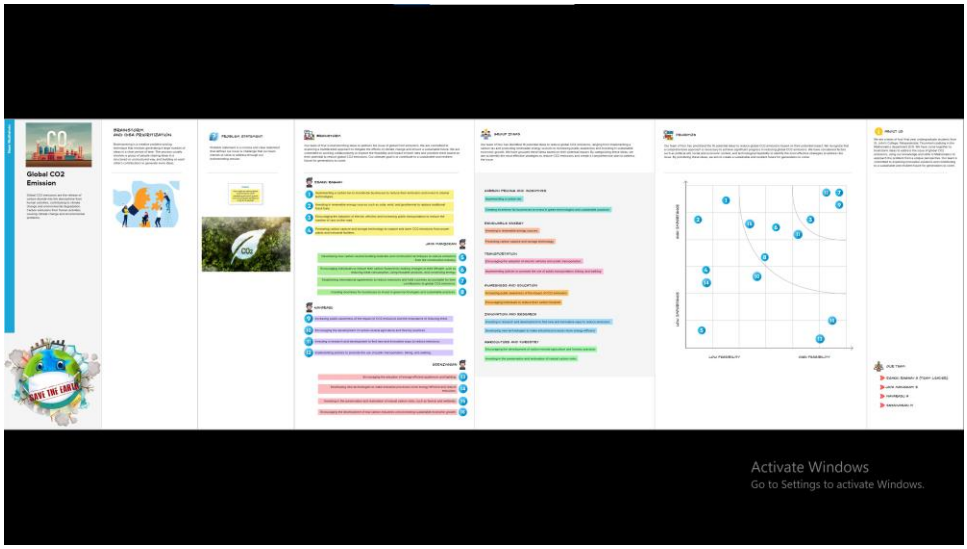
Overall, the use of the "Unearthed the Environmental Impact of Human Activity: A Global CO2 Emission Analysis" project can help promote a more sustainable future by providing information and insights that can guide decision-making and inspire action at all levels.

2 PROBLEM DEFINITION & DESIGN THINKING

2.1 Empathy Map

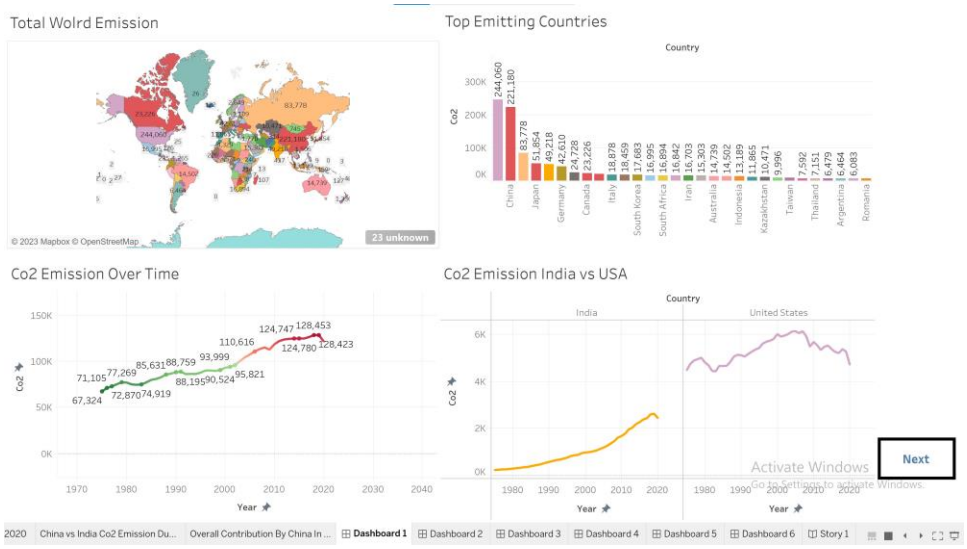


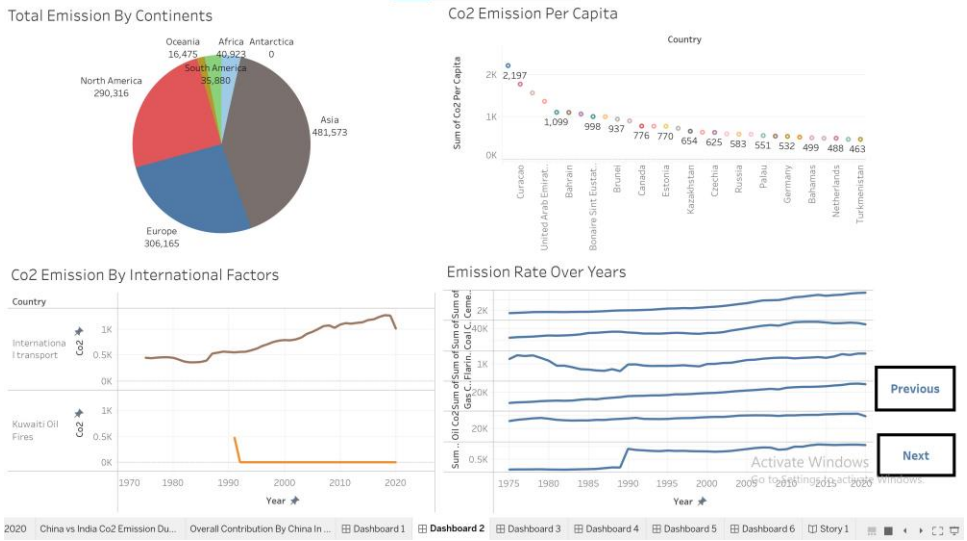
2.2 IDEATION & BRAINSTORMING MAP



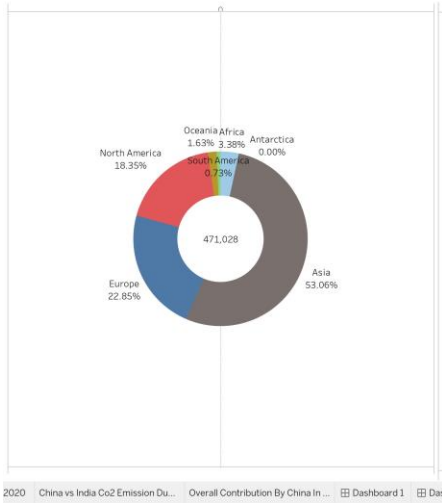
3 RESULT

Dashboard

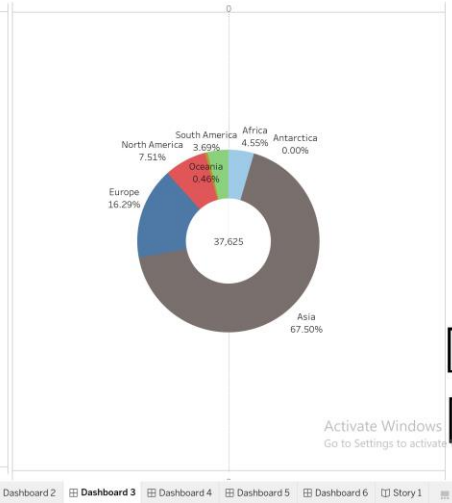




Donut Chart - Coal Co2



Donut Chart - Cement Co2

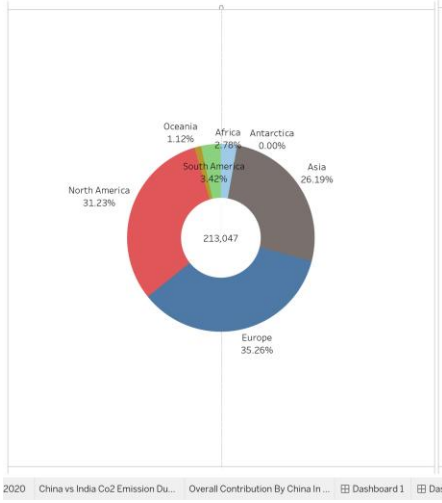


Previous

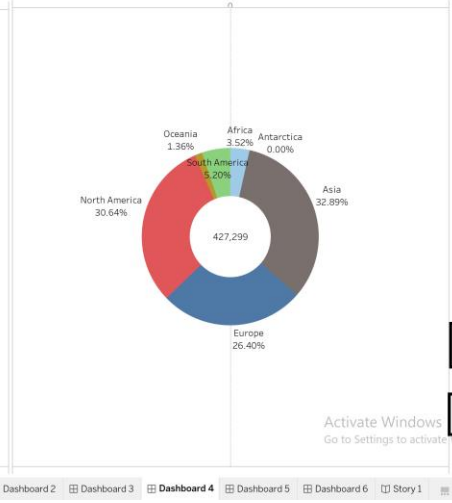
Next

Activate Windows
Go to Settings to activate Windows.

Donut Chart - Gas Co2



Donut Chart - Oil Co2

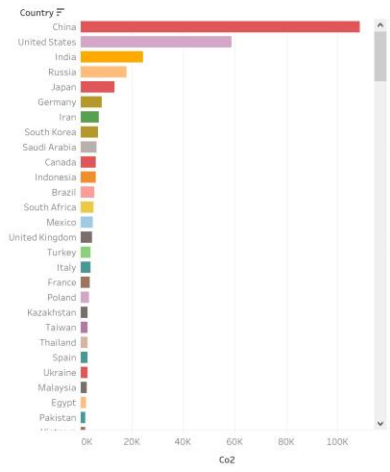


Previous

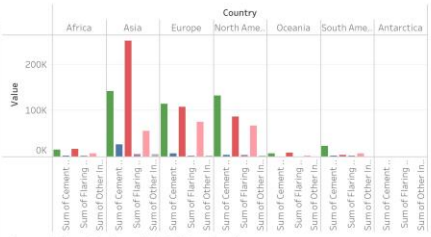
Next

Activate Windows
Go to Settings to activate Windows.

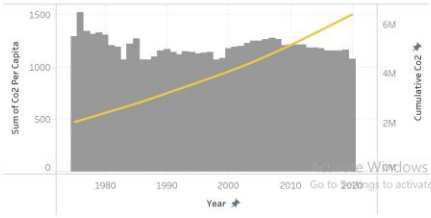
Co2 Emission Over Past 10 Years



Continent Contribution in Co2 Emission



Cumulative Co2 and Co2 Per Capita

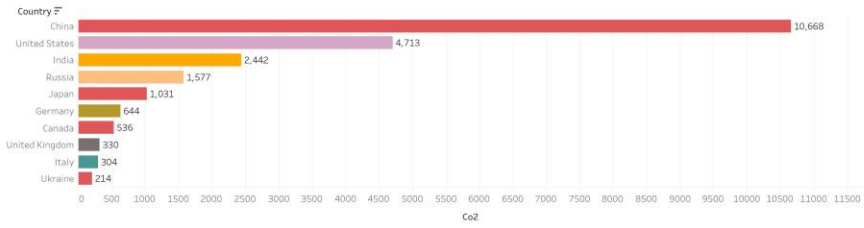


Previous

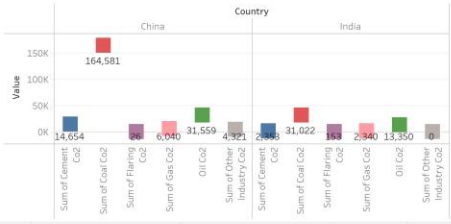
Next

Activate Windows
Go to Settings to activate Windows.

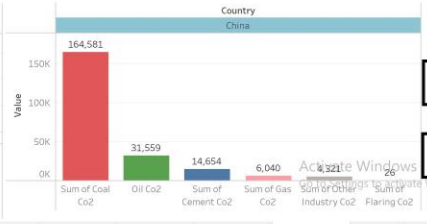
Co2 Emission in 2020



China vs India Co2 Emission Due To Internal Factors



Overall Contribution By China In Co2 Emission

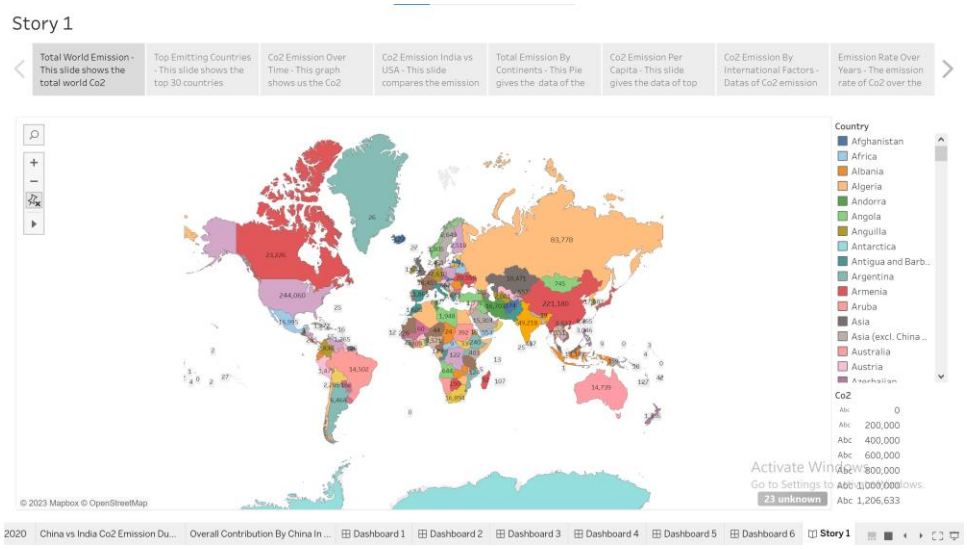


Previous

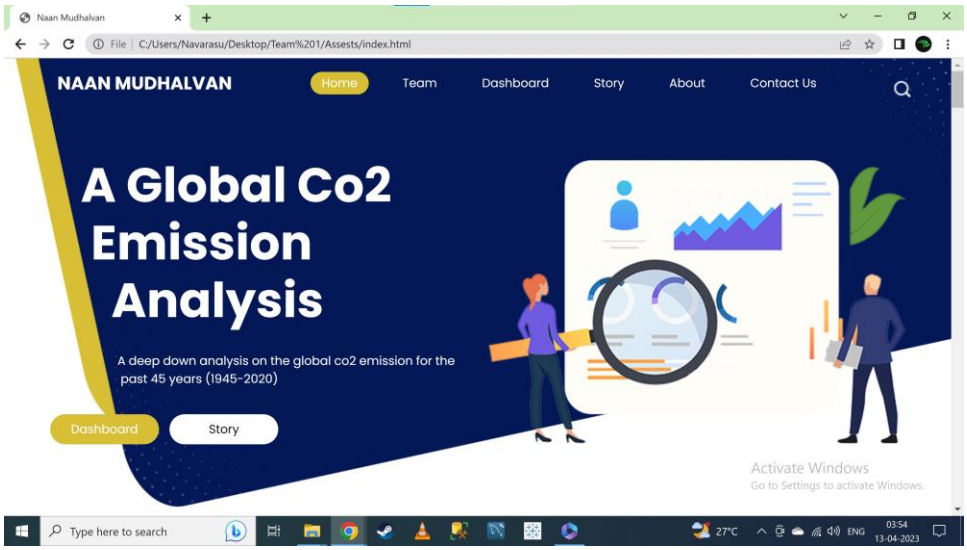
Home

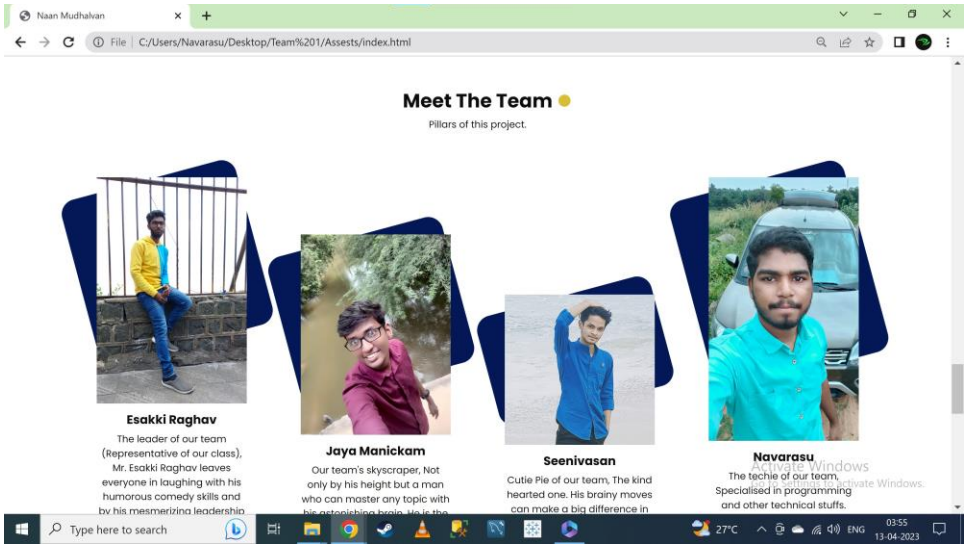
Activate Windows
Go to Settings to activate Windows.

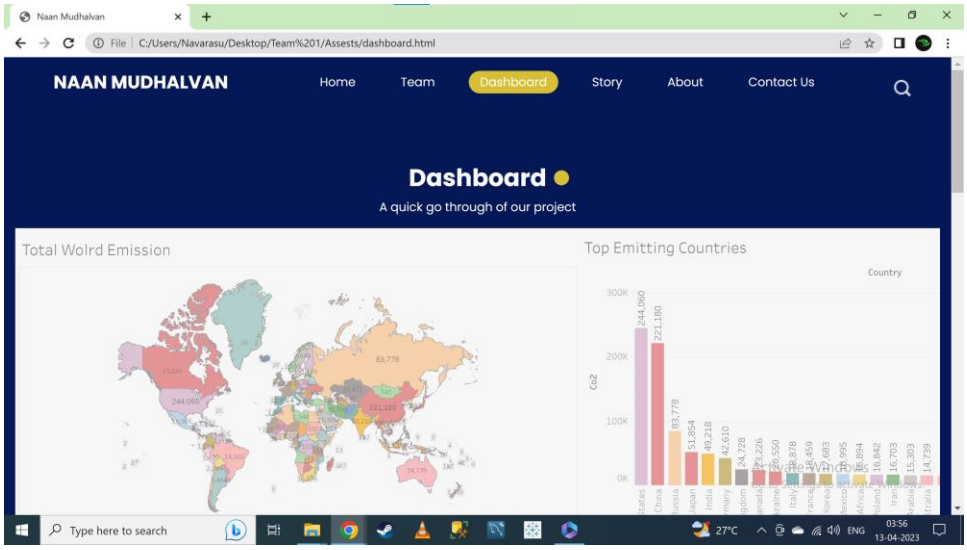
Story

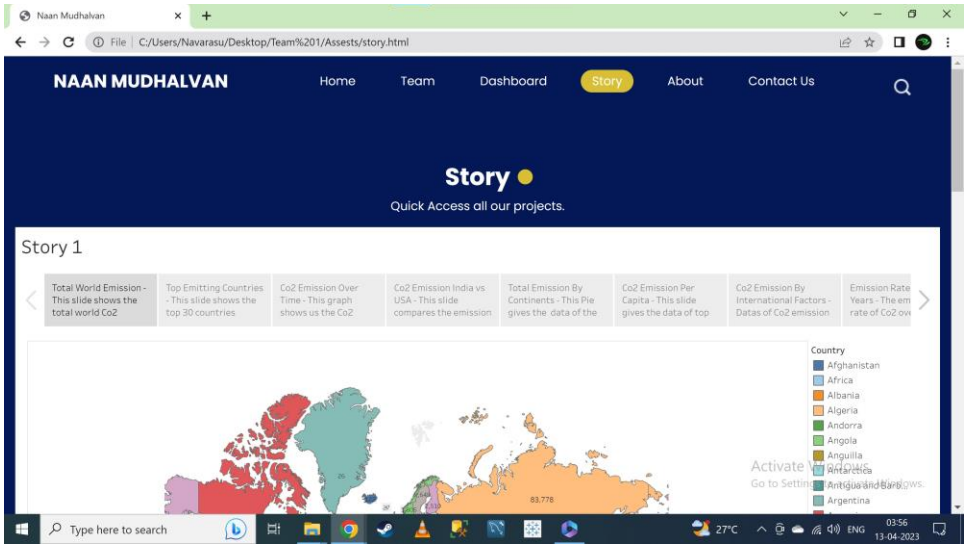


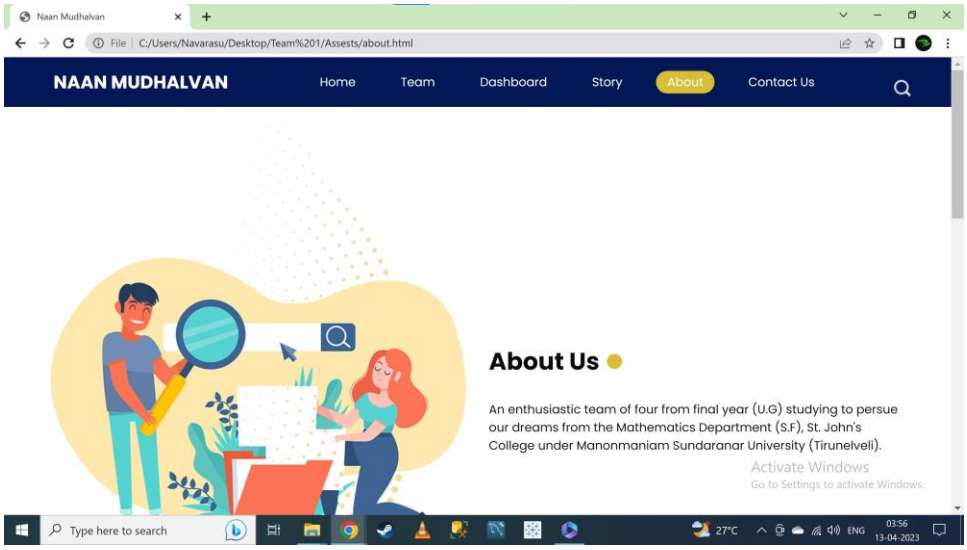
Web application

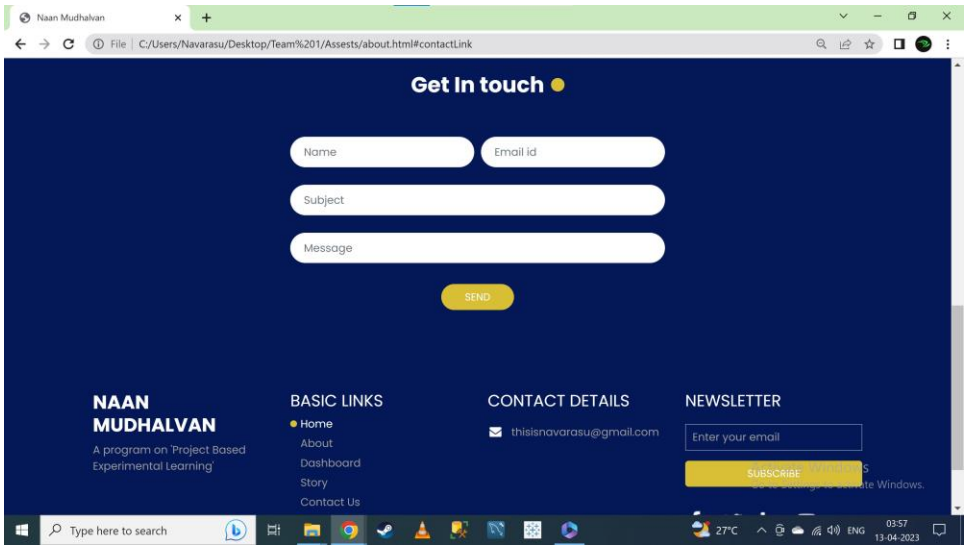



Naan Mudhalvan
File | C:/Users/Navarasu/Desktop/Team%201/Assests/index.html
Meet The Team
Pillars of this project.
Esakki Raghav
The leader of our team (Representative of our class), Mr. Esakki Raghav leaves everyone in laughing with his humorous comedy skills and
Jaya Manickam
Our team's skyscraper, Not only by his height but a man who can master any topic with
Seenivasan
Cutie Pie of our team, The kind hearted one. His brainy moves can make a big difference in
Navarasu
The techie of our team, Specialised in programming and other technical stuffs.
Activate Windows
Type here to search
27°C
ENG
03:55
13-04-2023


Naan Mudhalvan
File | C:/Users/Navarasu/Desktop/Team%201/Assests/dashboard.html
NAAN MUDHALVAN
Home
Team
Dashboard
Story
About
Contact Us
Dashboard
A quick go through of our project
Total Wolrd Emission
Top Emitting Countries
Country
Co2
300K
200K
100K
0K
244,060
221,180
83,778
51,854
49,218
42,610
24,728
Activate Windows
Type here to search
27°C
ENG
03:56
13-04-2023


Naan Mudhalvan
File | C:/Users/Navarasu/Desktop/Team%201/Assests/story.html
NAAN MUDHALVAN
Home
Team
Dashboard
Story
About
Contact Us
Story
Quick Access all our projects.
Story 1
Total World Emission - This slide shows the total world Co2
Top Emitting Countries - This slide shows the top 30 countries
Co2 Emission Over Time - This graph shows us the Co2
Co2 Emission India vs USA - This slide compares the emission
Total Emission By Continents - This Pie gives the data of the
Co2 Emission Per Capita - This slide gives the data of top
Co2 Emission By International Factors - Datas of Co2 emission
Emission Rate Years - The em rate of Co2 ov
Country
Afghanistan
Africa
Albania
Algeria
Andorra
Angola
Anguilla
Antarctica
Antigua and Barb
Argentina
83,778
Activate Windows
Go to Settings to activate Windows.
Type here to search
27°C
ENG
03:56
13-04-2023


Naan Mudhalvan
File | C:/Users/Navarasu/Desktop/Team%201/Assests/about.html
NAAN MUDHALVAN
Home
Team
Dashboard
Story
About
Contact Us
About Us
An enthusiastic team of four from final year (U.G) studying to persue our dreams from the Mathematics Department (S.F), St. John's College under Manonmaniam Sundaranar University (Tirunelveli).
Activate Windows
Go to Settings to activate Windows.
Type here to search
27°C
ENG
03:56
13-04-2023



4 ADVANTAGES AND DISADVANTAGES

Advantages of our project are as follows:

1) The project helps improve the understanding of the impact of human activities on the environment and how it affects the global carbon emissions.

2) The project provides insightful data about CO2 emissions from different sources and their contribution to climate change, which can help policymakers and businesses make informed decisions.

3) The project helps to develop and implement effective strategies to reduce carbon emissions and promote sustainable practices.

4) The project raises public awareness about the environmental impact of human activity and encourages individuals to take action to reduce their carbon footprint.

5) The project can promote international cooperation and collaboration among countries to reduce carbon emissions and address climate change.

6) The project can increase the accountability of governments and businesses to reduce their carbon footprint and adopt more sustainable practices.

7) The project can encourage innovation in developing new technologies and practices that can reduce carbon emissions and mitigate the impact of climate change.

Disadvantages of our project are as follows:

1) The project's scope may be limited to the availability and accuracy of data on carbon emissions, which may vary across different regions and countries.

2) The project may require significant time and resources to collect, analyze, and interpret data from different sources, which can be a significant investment.

3) The project may involve technical complexity and require specialized knowledge and expertise in various fields such as climate science, environmental policy, and energy technology.

4) The project's impact may be limited if the findings are not effectively communicated to policymakers and businesses, or if they are not willing to take action on the results.

5) The project's analysis may be limited by the availability and quality of data, which can affect the accuracy and reliability of the findings.

6) The project may face political challenges and resistance from governments and businesses that are reluctant to adopt sustainable practices or reduce their carbon footprint.

7) The project may entail economic costs to implement effective strategies for reducing carbon emissions, which can be a challenge for countries with limited resources.

5 APPLICATIONS

1) Policy-making: The project's findings can be used to inform policy-making decisions related to carbon emissions and climate change mitigation at local, national, and international levels.

2) Industry: The project's insights can be applied in various industries to reduce carbon emissions, such as the energy sector, transportation, manufacturing, and construction.

3) Education: The project can be used to educate the public about the environmental impact of human activity and the importance of reducing carbon emissions and promoting sustainable practices.

4) Research and Development: The project's findings can be used to guide further research and development in fields such as renewable energy, energy efficiency, and carbon capture and storage.

5) Urban Planning: The project's findings can be used to inform urban planning decisions, such as the development of sustainable transportation systems, green spaces, and energy-efficient buildings.

6) Agriculture: The project's insights can be applied in agriculture to reduce carbon emissions and promote sustainable land use practices, such as reducing fertilizer use, planting cover crops, and adopting conservation tillage.

7) Finance: The project's findings can be used by investors, banks, and other financial institutions to make informed decisions about funding sustainable projects and reducing carbon emissions in their portfolios.

6 CONCLUSION

In conclusion, "Unearthing the Environmental Impact of Human Activity: A Global CO2 Emission Analysis" project was aimed at assessing the impact of human activities on global carbon emissions and its implications for climate change. The project utilized a comprehensive data analysis approach, and the findings showed that human activity was a significant contributor to the increase in global carbon emissions, which has adverse impacts on climate change.

The project identified various sources of carbon emissions, including the energy sector, transportation, and industrial activities, and highlighted the need for adopting sustainable practices to reduce carbon emissions. The project's findings underscored the importance of international cooperation and collaboration among governments, businesses, and individuals in addressing climate change and promoting sustainability.

The project's strengths included its data-driven approach and the comprehensive analysis of global carbon emissions. Its limitations included data limitations and the economic costs associated with reducing carbon emissions. Despite its limitations, the project's findings have significant implications for policymakers, industry leaders, and individuals in promoting sustainability and mitigating the impacts of climate change.

Overall, "Unearthing the Environmental Impact of Human Activity: A Global CO2 Emission Analysis" project provides valuable insights into the environmental impact of human activities and underscores the urgent need for adopting sustainable practices to mitigate climate change.

7 FUTURE SCOPE

1) The project can be expanded to include a more in-depth analysis of specific regions or industries to identify the most significant contributors to carbon emissions and develop targeted solutions.

2) The project can incorporate additional data sources to improve the accuracy of the analysis, such as satellite data, ground-based measurements, and modeling data.

3) The project can include an analysis of other greenhouse gases, such as methane and nitrous oxide, to provide a more comprehensive assessment of the environmental impact of human activities.

4) The project can expand its scope to assess the impacts of climate change on various aspects of society, including health, agriculture, and infrastructure.

5) The project can develop predictive models to estimate future carbon emissions and assess the potential impacts of climate change under different scenarios.

6) The project can integrate social and economic factors into the analysis to identify the underlying drivers of carbon emissions and develop strategies to address them.

7) The project can assess the effectiveness of current policies and initiatives aimed at reducing carbon emissions and recommend improvements or new strategies.