PROJECT REPORT TEMPLATE

**1 INTRODUCTION**

1.1 Overview

Our Project is about  **Unearthing the Environmental Impact of Human**

**Activity – A Global CO2 Emission Analysis.** It deals with the analysis of CO2 emission throughout the world under Country wise,Region wise and Overall CO2 Emission on Earth.CO2 Emission refers to the Carbon dioxide emitted through out the world . And this project is concerning with emissions and effects of the CO2 on the world.

1.2 Purpose

The use of this Project is :

* Its gives the Statistics about the rate of CO2 Emission throughout the world.
* It will help researchers and environmental experts to predict global warming. So countries should set a goal to decrease the emission yearly.

By using this ,we will able to achieve the decrease rate of C02 Emission.

**2 PROBLEM DEFINITION & DESIGN THINKING**

2.1 Empathy Map

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2.2 Ideation & Brainstorming Map

**3 RESULT**

Here we attached the Screenshot of DASHBOARD

Here we attached the screenshots of Visualization

Here we attached the screenshots of Story

Here we shared the Screenshots of DATASET

**4 ADVANTAGES & DISADVANTAGES**

* Global Warming is one of the biggest challenges currently being faced by the human race due to increased atmospheric carbondioxide from

Human activities.By taking the statistics of C02 Emission all over the world can decrease the rate account yearly.

* The Statistical data contains the Global CO2 Emission across the world from 1975 to 2020 under Country wise,Region wise and overall on Earth.
* It also gives the Statistical Comparison between the countries so that the researchers able to know which country emits a large amount of CO2,by this data we will able to reduce the rate of emission of CO2.
* The disadvantage of this purposed solution is that the statistical data which we took is not always constant.It varies from years to years.

**5 APPLICATIONS**

* Mostly Burning of coal and other fossil fuels,but also cement production,deforestration and other landscape changes cause the Emission of C02 and since the start of the Industrial Revolution,more than 2,000 billion metric tons of carbon dioxide have been added to the atmosphere by human activity according to the Global Carbon Project.
* The proposed solution of this project helps to reduce the rate of CO2 Emission and this can be applied in areas like rising of sea level,instant Climatic change,Huge rate of industrial use,Pollution etc…

**6 CONCLUSION**

Here is the conclusion of our Project, First we analysed the Global C02 Emission across the countries by using the given instruction video and complete following activities that are specified the business problem,Business requirements,Literature Survey and Social or Business Impact from Defining the problem.Second,We collected the dataset,stored data in DB,performed SQL Operations and Connected DB with Tableau.Third,we prepared the data for Visualization.Fourth,Denote the no.of.Unique Visualizations.fifth,From the Dashboard we arranged and designed the completed sheets.sixth,we wrote the scenes of the completed sheets in the story.seventh,We performed the testing of Amount of Data rendered to DB,Utilized the data filters,calculated the fields and visualized the graphs. And finally we did the Web Integration concerned with Dashboard and story embed with UI with Flask to complete the project.Therefore these are the steps we performed to Unearthing the Environmental Impact of Human Activity.

**7 FUTURE SCOPE**

Future changes are expected to include a warmer atmosphere,a warmer and more acidic ocean,higher sea levels and larger changes in precipitation patterns.The Theory behind the enhanced greenhouse effect is that human activities can load the atmosphere with too much CO2 and other heattrapping gases.The extent of future climate change depends on what we do now to reduce green house gas emissions.