Introduction

The entire greenhouse gas emissions—primarily carbon dioxide and methane—of a person, community, event, organization, service, product, or nation are calculated as their "carbon footprint." A greenhouse gas (GHG) is a gas that emits thermal radiation, absorbs it, or does both. This creates a "greenhouse effect" that traps heat near the Earth's surface and ultimately warms the planet. Interest in carbon management is rising among individuals, families, and communities. It affects on the quality of air and it becomes warmer.

In industrialized nations, the average carbon footprint and CO2 emissions per country are higher. Their highly developed energy industries, which create electricity by burning a lot of fossil fuels, and a bigger percentage of people who own their own cars, which emit a lot of emissions, are mostly to blame for this.

Additionally, regional factors affect CO2 levels. There are 10 Countries with the Highest CO_2 Emissions in the World:

1. China
2. United States
3. India
4. Russia
5. Japan
6. Iran
7. Germany
8. South Korea
9. Saudi Arabia
10. Indonesia

There are different methods for lowering the carbon footprint

A common option for businesses is to lessen or offset their carbon footprint:

- Increasing energy efficiency while reducing energy costs.
- Utilizing renewable energy and aiding in the switch to this kind of electricity.
- Putting a corporate social responsibility plan into action.
- putting money into environmental projects
- Acquiring tons of CO2 on the world emissions market.

Additionally, Stakeholders are essential.

Stakeholders have the potential to be a strong driver for change inside a business.

We should explain the different aspects of project to them and they can aid in increasing awareness of sustainability issues and motivating people to support the cause.

It is necessary to measure it, and then we can manage it.

In this project I paid attention to calculate the amount of energy usage and suggest some tips to reduce the amount of that. (I used google colab)

I used the formula to calculate the amount of different parts. And I used a function and if-else to show the result to clients.

The result is in two ways.

1. I enter some inputs, if the total amount is high than I notice the code shows the following message to clients.

Suggestion to reduce footprint:

And 3 to 4 tips show to clients

2. But if it is less than the exact number shows this message:

Great! Your carbon footprint is already low.