TWILIGHT CLOUD CODERZ

Climate Hackathon 2022

HACK THE CLIMATE FOR A SUSTAINABLE FUTURE

TEAM-TWILIGHT

DEEPAN

KAVYA

ROOT CAUSE

01 Changes in the atmosphere

02 Natural processes

03 Volcanoes eruption

04 Tectonic plate movement

05 Human activities – that releases “greenhouse gases” into the atmosphere

Microsoft Cloud for Sustainability is growing

Unify data intelligence

Gain the visibility you need to improve sustainability reporting and help transform your business.

Build a sustainable IT infrastructure

Identify opportunities to replace your tools, systems, and activities with more efficient options.

Reduce the environmental impact of operations

Track and minimize the environmental footprint of your operational systems and processes.

Create sustainable value chains

Enhance accountability across your value chain, from sourcing materials through product distribution.

TWILIGHT CLOUD CODERZ

Solution Outcome

Microsoft Cloud for Sustainability

Automotive

Connect people, products, and processes with technology that supports automotive sustainability.

Energy

Explore Microsoft technologies that help drive the global transition to cleaner energy.

Financial Services

Accelerate transformation, manage risk, and add value—while creating a more sustainable future.

Manufacturing

Drive sustainability while reducing costs and improving safety in your manufacturing operations.

Retail

Improve energy management and reduce your environmental impact with innovative retail technologies.

Infrastructure management

Optimize the ways in which buildings, campuses, and cities consume and deliver resources.

TWILIGHT CLOUD CODERZ

TWILIGHT CLIMATIC CHANGE APP

Twilight app

Twilight climate change app used to analyse the weather condition and share information incase of issue to relevant team on timely manner to take action

Twilight app feature

PowerApps

capture weather deatils and incase of issue clicks pic of current status

Monitoring

office 365

Office 365

office 365 access for communication purpose and also able to fetch user details and location data

ACCESS

location track

Bing Map API

using bing api and MSN Weather connector to get the current weather status of various countries and states

API

Data stored

SQL

SQL Database(twilight)

Data stored in SQL database and connected to microsoft cloud for sustainability for data analyse and insights and precaution to avoid those scenario

Data

Cloud for Sustainability

Data is visualized in a structed way with all details and hightlighted view of markings and point

Centralize data to more easily record, report, and reduce your environmental impact

Dashboard

TWILIGHT CLOUD CODERZ

Architecture

TWILIGHT CLIMATIC CHANGE APP

Data collection

PowerApps

Power Automate

Flow Automate

https://apps.powerapps.com/

Azure

Bing Map API

GPS

SQL

SQL

SQL Database(twilight)

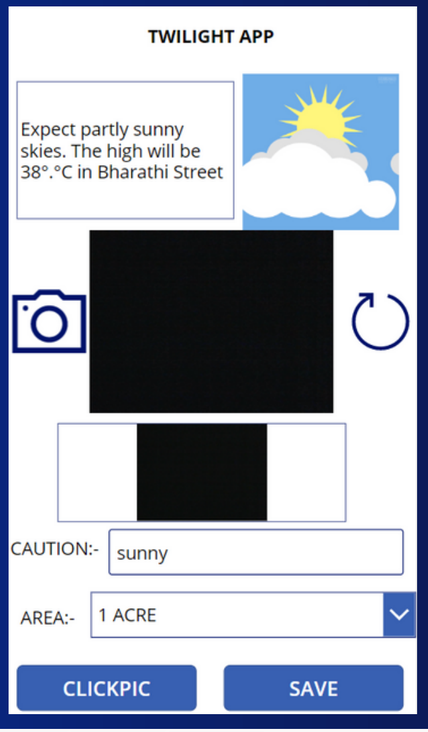
Storage

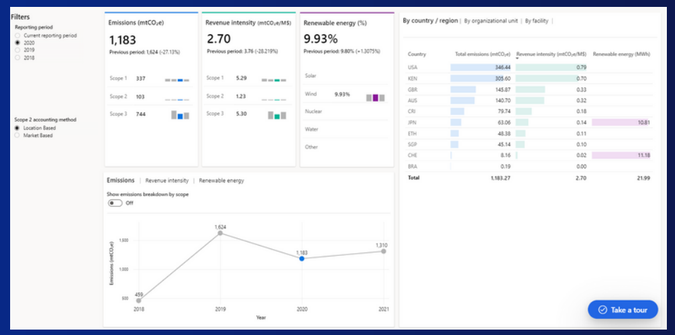
Microsoft Cloud for Sustainability

Insights

Reporting

Data Analytics





Demonstration

Git hub link

https://github.com/TWILIGHTCLOUDCODERZ/CLIMATIC-CHANGE.git

Video Link

https://youtu.be/M1jyO1BpzGA

Reference

https://www.microsoft.com/en-us/sustainability/cloud

Thanks for the opportunity to learn and explore new technology

TEAM-TWILIGHT

DEEPAN

KAVYA