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GWAP - Global Warming Analysis and Prediction Portal

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Abstract: *Global warming Analysis and prediction system is an application made Specifically for desktop purpose. This software Implement certain ways of analyzing and predicting the major causes of global warming such as power plants, oil drilling, deforestation etc. Also show the details about the Global warming. Each user first makes their login to server to show their identity. This software keeps the track of shared complaint and gets the specific Global warming related information very easily. The overall data will be showed in the statically manner.*

Keywords: Global warming Information Report: Global warming reporting, Statistics, Data Visualization, Data Collection, Data Analysis and Predication

I. INTRODUCTION

GWAP system is a platform for analyzing, predicting, reporting global warming online. This can be really helpful for maintaining the Global warming complaint details w.r.t any location, etc. Global warming is one of the threatening elements for planet. The warming of the climate is crystal clear, with the last decade being the warmest decade since 1850. However, there is still debate over if global warming is actually occurring, and if it is, then if it is phylogeny. A majority, about 51%, of people in the United states do not believe in evolution of climate change, with 31% of these people saying the warming is natural, and 20% saying the warming is not occurring.

Therefore, establishing a good Global warming analysis tool to identify warming patterns rapidly and precisely for future Global warming pattern detection is challenging field. GWAP is completely dependent on analysis. There are several reasons why people want to read about Global warming: Readers often want an explanation of why Global warming happen. They ask: “Will it affect to me also ?”The readers need to know how people are contributing in global warming and how they can resolve this by changing their own habits

II. PROBLEM STATEMENT

Global warming is the part of Nature and we need to be supervised it. No human civilization has ever been totally gratuitous from Global warming nor will it be completely. The current Global warming system is abide with numerous difficulties as there is no instantaneous means of Analysing and predicting on desktop application. To renew global warming system, an online system is upgrade to fully take up the responsibility of analysing and predicting in a way that will be useful to public. Thus, the more guidance over uncooperative society is desired for an example, widespread decreases in the extent of snow and ice, the report can include section like:

- Illustration and Classification of the Global warming.
- Predicting Global warming for the future
- Its amount of damaged done (e.g. adding picture)
- Details of the witness
- Region of Global warming

III. RESEARCH GAP

Existing system is a website that provide following features to the user :

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- Climate-related information, data, and tools by national Geographic
- The existing System provides an online platform through which we can access and analyze the data related to climate change.

The existing system doesn't provide:

- Desktop application
- Different data views
- Uploading new data by individuals

IV. MODULE DESCRIPTION

In login page the user will enter their username & password shows his/her identity by doing sign in. If they are not registered, then the user needs to do registration first. At the login page user will get the introduction video from wherein user will get a short idea of our project and the message we are trying to deliver.

In this user can do registration by entering his/her details like first name, last name, phone number, username, password and address. By doing this Registration user will be registered in our database and is ready to login OR Sign in to our Desktop Portal.

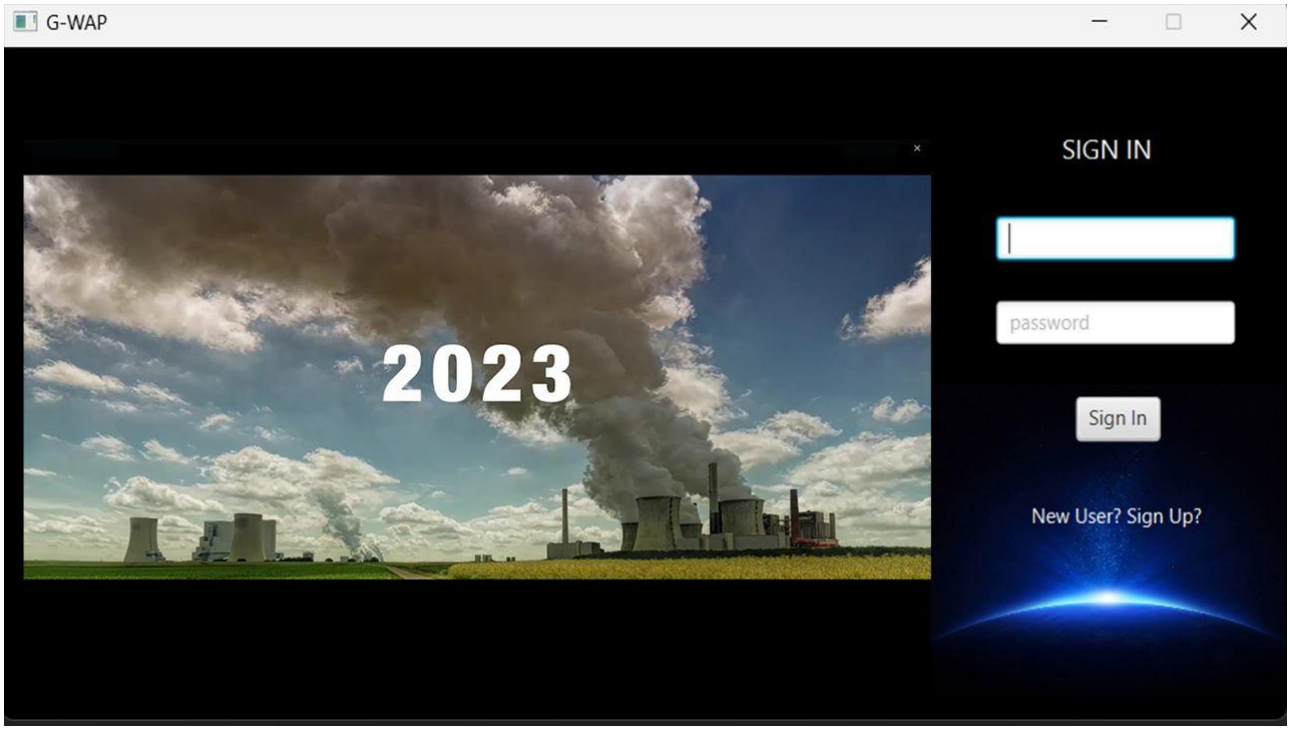

Figure 4.1: Login Page

In home page has been categories into current news, Effects , Solutions, add complaint it also has dashboard button which give details about the Global warming strategies.

Dashboard again is categorized into Data view, Bubble view, Projection View, Radar view, Map View. There is also a pie chart that help us to compare the Contribution countries in global warming. In projection view country wise global warming data is shown in percentage and the projection of the country is shown i.e. highest Global warming in that particular country. A custom-built map is there where we can look for a straight view of any country by just clicking on the desired country map.

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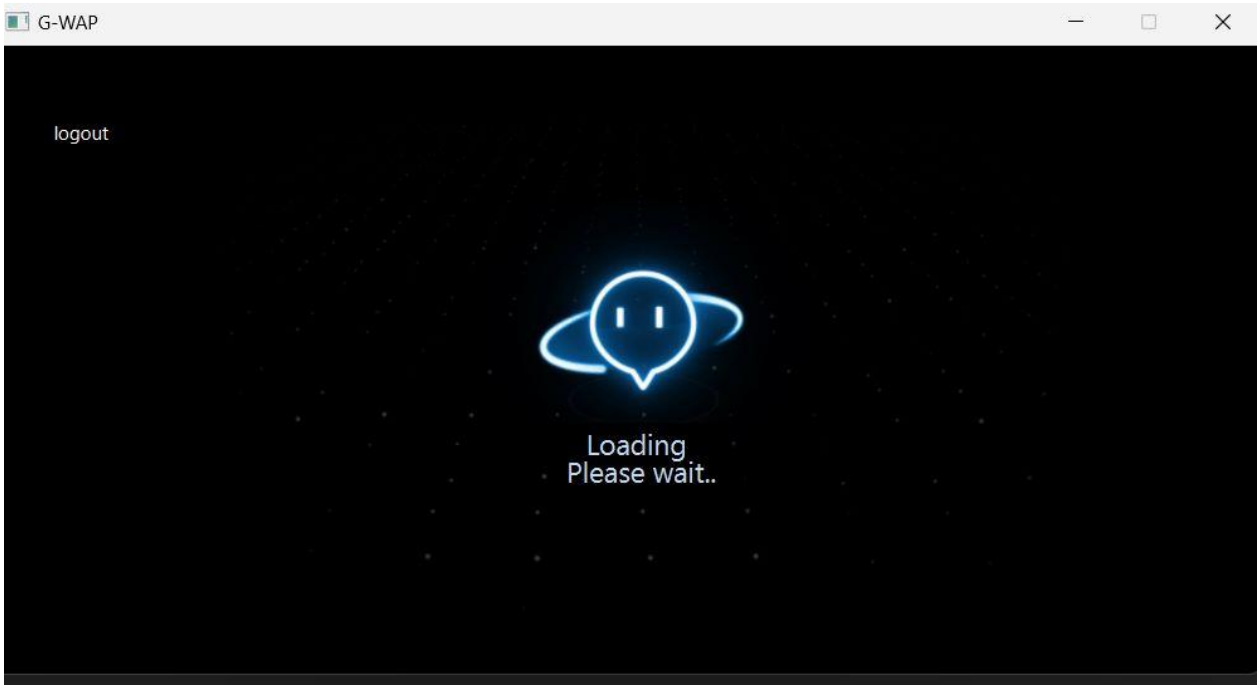

Figure 4.2: Login Process

V. DFD OF PROPOSED SYSTEM

The Proposed system is an application which can be helpful in predicting the Global warming that a humans can do in future. This prediction can be based on the various attributes rainfall patterns, amplifies coastal erosion, melts ice caps and glaciers, and alters the ranges of some infectious diseases.

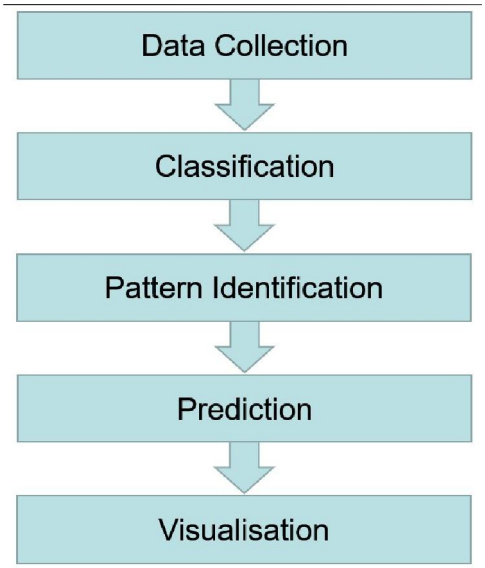

Figure 5.1: Data Flow Diagram For Proposed System

VI. FUTURE SCOPE

In a future addition to our work, we plan to apply more classified modules to increase Global warming Analysis and prediction accuracy and to enhance the overall performance. on the other hand, we will be trying to develop an android application for the live capture of the realistic data updating results by using this new data frequently, which will be helpful in understanding the changes and providing the global warming changes information to the public for awareness Purposes.Predicting Future Global Warming Spots : By using historical data and observing where recent Global

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warming took place we can predict where Global Warming will likely happen. in this project our application is using device resources but in future it may be uses cloud technology.

VII. RESULT

To enhance Global warming reporting technology a software system is designed to bring all essentials related to Global warming reporting, Analysis and Prediction. With the increasing emerging of computerized systems, Global warming data analyst can help the Global Environment Departments to accelerate the process of solving Global warming challenges. The Multiple Type ofgraphical representation of similar datasets which helps user to acknowledge. Maximum amount of information can be analyse in minimum time. Our software helps to find out Global Warming prone regions in each country. it will be more accurate if we consider a particular state OR the region. We generated many graphs and found interesting statistics that showed the baseline to understand every country's Global warming datasets. There are only newspapers, online websites and channels to alert peoples from the Global warming, GWAP will help this media to a next level.

VIII. CONCLUSION

After Finishing the survey, we have conclude that in the modern world of transformation & modernization there is need of this portal for public awareness. This can be helpful in several aspects.

This Desktop application used for transforming the raw data into meaningful &useful information which helps in establishing decisions support system. It will be very useful for decision-makers, industry, and ordinary citizens.

The Multiple Data Views can help people in many things.

REFERENCES

[1]. M. Purushotham Reddy, A. Aneesh, K. Praneetha, S. Vijay. "Global Warming Analysis and Prediction Using Data Science." Dept. of CSE, Institute of Aeronautical Engineering, Hyderabad.

[2]. Zikai Wu, Xinke Cheng. "Impact Analysis of Sea Level Rising Problems Based on Mathematical Modeling." SBS, Shanghai China.

[3]. Neela Mishra, Hemant Kumar Soni, Sanjiv Sharma and A K Upadhyay. "Development and Analysis of Artificial Neural Network Models for Rainfall Prediction by Using T ime-Series Data" in MECS.

[4]. ChandasegarThirumalai, GajavelliSaikrishna, C Suprabath Raju, M Senthilkumar. "Analysis of global warming in India over maximum temperature using Pearson and machine learning." School of Information Technology & Engineering, Vellore.

[5]. Mark Holmstrom, Dylan Liu and Christopher Vo "Machine Learning Applied to Weather Forecasting" in Stanford University December 2016. [6] Umair Shahzad "Global Warming: Causes Effects and Solutions" DurreSamin Journal vol. 1 August 2015.

[6]. A. Russo, F. Raischel and P. G. Lind "Air quality prediction using optimal neural networks with stochastic variables" Atmospheric Environment 2013.

[7]. R. J. Kuligowski and A. P. Barros "Localized Precipitation Forecasts from a Numeric Weather Prediction Model Using Artificial Neural Networks" American Meteorological Society vol. 13.