

1.INTRODUCTION

1.1 .Overview

Visual representation of population analysis:

- ❖ 2019 State Consumption
- ❖ 2020 State Consumption
- ❖ Total Consumption
- ❖ Usage by Region
- ❖ Top N
- ❖ Bottom N
- ❖ 2019 Month wise Consumption
- ❖ 2020 Month wise Consumption
- ❖ Total Region Consumption
- ❖ Usage Before and During Lockdown
- ❖ Month wise Top Consumption
- ❖ Region wise State Consumption
- ❖ Quarter Wise Usage
- ❖ Usage by Year
- ❖ Metro City States

1.2. Purpose

In this project we have analysed the various aspects of electricity consumption patterns throughout the world in different categories. The outcomes can be used to improve the consumption of electricity according to the states, regions and Usage.

2.PROBLEM DEFINITION AND DESIGN THINKING

2.1. Empathy Map

Template

Empathy map

Use this framework to develop a deep, shared understanding and empathy for other people. An empathy map helps describe the aspects of a user's experience, needs and pain points, to quickly understand your users' experience and mindset.

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Build empathy

The information you add here should be representative of the observations and research you've done about your users.

Says

What have we heard them say?
What can we imagine them saying?

Electricity is also referred to as an energy carrier which means it can be converted to other forms of energy such as mechanical energy or heat. Primary energy sources are renewable or non renewable energy.

Electricity is an essential part of modern life and important to the capital US economy. People use electricity for lighting, heating, cooling and for operating appliances

Does

What behavior have we observed?
What can we imagine them doing?

Thinks

What are their wants, needs, hopes, and dreams? What other thoughts might influence their behavior?

At first electricity was associated with light. People wanted a cheap and safe way to light their homes and scientists thought electricity might be a way. Learning how to produce and use electricity was not easy.

Electricity can transform people's lives not just economically but also socially. Electricity is really just organized lighting. It is necessary for all the devices that be use throughout the day and night.

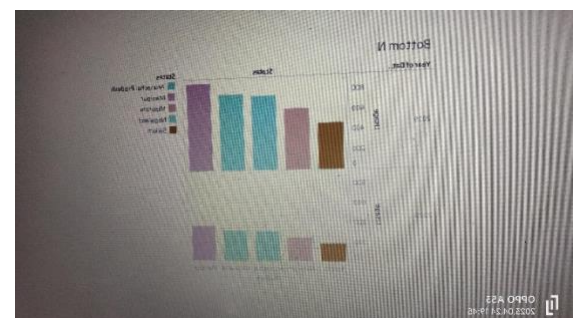
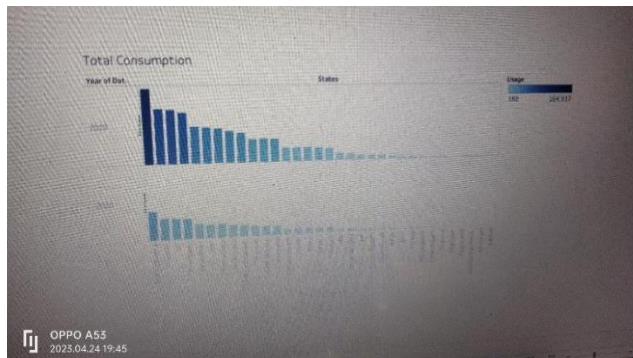
Feels

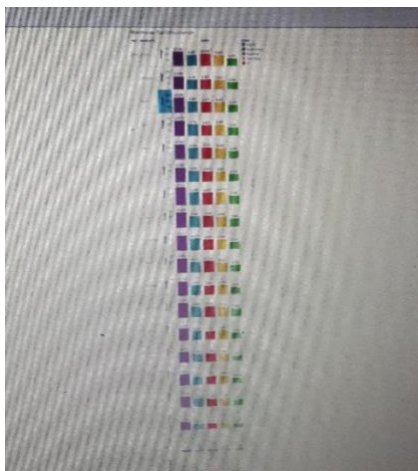
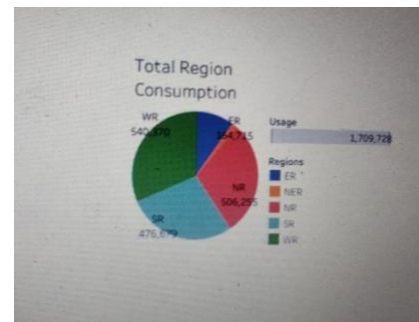
What are their fears, frustrations, and anxieties? What other feelings might influence their behavior?

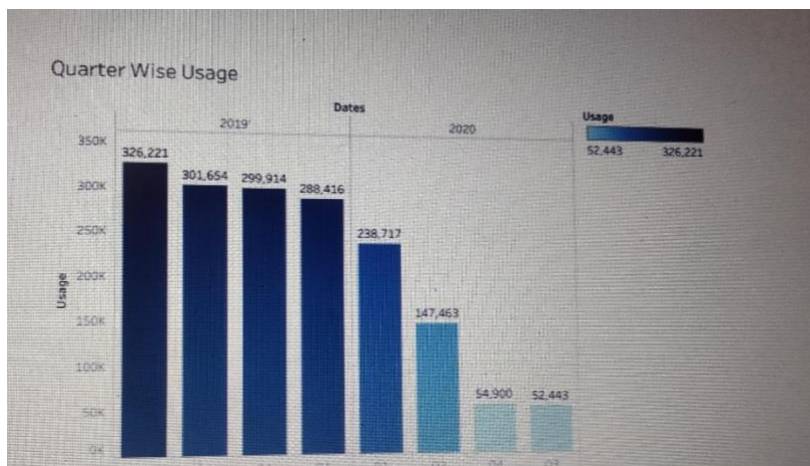
PEOPLE

3.Result

- Environmental problems directly related to the energy consumption and energy production
- Final energy consumption is the total energy consumed by and users.
- Energy consumption is the amount of energy that the user used.
- Helps to reduce energy cost and expenses
- Electricity consumption increases the value of property.







4. Advantages And Disadvantages

4.1 Advantages

- Lower Maintenance Cost
- More efficient
- Reduces Greenhouse emission
- No tailpipe emission
- Convenient Source of energy
- Cheap

4.2 . Disadvantages

- Loss of Fish Species
- Cost for construction
- Dependent on precipitation
- Sometimes messes up Wildlife
- More power plant
- More pollution
- Expensive than gasoline

5.APPLICATIONS

With the help of electricity, human life has become easier by using electricity to perform many functions such as heating ,cooling. The industrial sector uses electricity for operating industrial motors and machineries . Electricity is predominantly still used by the people but solar panels make them use rarely...Electricity is reliable and uninterrupted power supply.

6.CONCLUSION

The discovery of electricity was a turning point of history because without it we wouldn't live in the world that we live today which is filled with life changing technologies but it all needs and uses electricities. Without electricity we wouldn't be able use mobiles and Systems at this very moment. Electricity is something that we all live by whether we notice if or not. Some of us wouldn't be able to survive without it's because it is a must needed source to have everyday live. It is used to help save people, in education, hospital, cities, etc...we live by this incredible creation that mother nature has given us.

7.FUTURE SCOPE

Discussions about electricity in India are frequently dominated by accessibility. This is quite understand and understandable access to affordable electricity scan dramatically improve the quality of life ,life of India's historically under_ served community But, at this point , access to electricity is viewed as a basic fundamental rights and is a fairly low bar for the success of a country's energy sector. There are many other important criteria like quality, efficiency, or. Reliability. India also currently stand at the Crecise of a unique moment in history with respect to its energy requirements.

It is hard to access just how important electricity is to humanity today. So many aspects offerly now depend on electricity like water, sanitation, healthcare , lightening ,and education. It is one the the bedrocks on which many developed countries has achieved the success.

In today's world, a lack of electricity is correlated with poor human development in the source.while access to it can unlock a dramatically higher quality of life. Studies show that access to electricity can lead to whether educational and health outcomes ,as well as Productivity increases .