PROJECT REPORT

ON

PLUGGING INTO THE FUTURE : AN EXPLORATION OF ELECTRICITY CONSUMTION PATTERNS USING TABLEAU

1. INTRODUCTION:

1.1 Project Overview –

electricity consumption patterns reveal a growing demand across various sectors, with the industrial sector leading in consumption, followed by domestic and agricultural sectors. The country is the third-largest electricity producer and consumer globally, with a significant and increasing reliance on renewable energy sources. Per capita electricity consumption is also rising, indicating a growing need for power as the country develops.

1.2 Purpose-

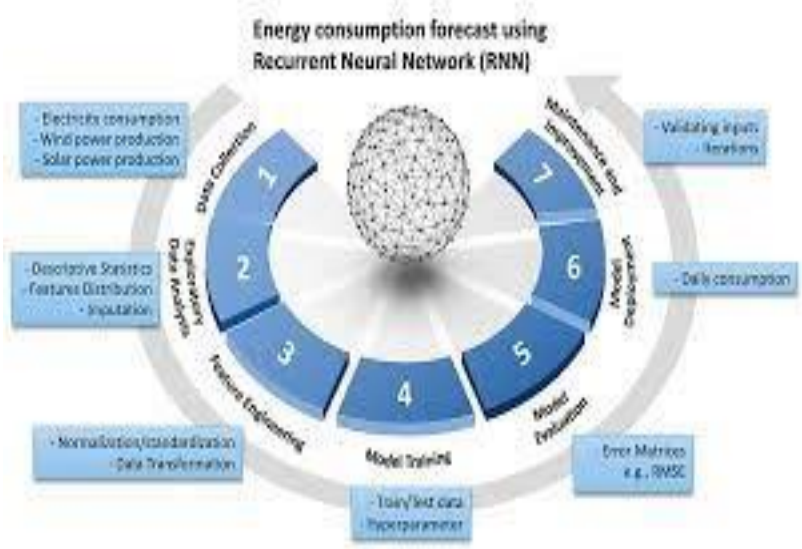
Electricity consumption serves a vast array of purposes,
primarily powering devices and systems that provide light, heat, motion, and various other functions in both residential and industrial settings. It is used to operate appliances, electronics, machinery, and transportation systems, as well as

1. Lighting: Electricity enables the use of light bulbs, LEDs, and other lighting technologies, making spaces habitable and functional both indoors and outdoors.

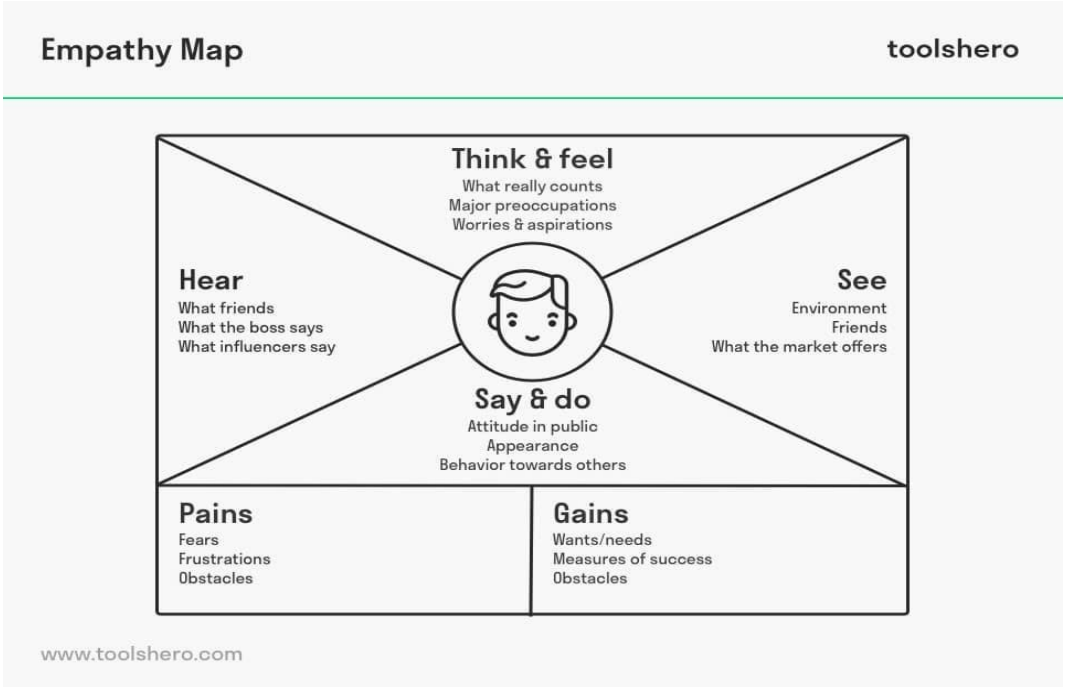
ii. Heating and Cooling: Electricity powers heating systems (furnaces, heat pumps) and cooling systems (air conditioners, refrigerators), controlling temperature for comfort and preservation of goods.

2. IDEATION PHASE:

2.1 INNOVATION CYCLE

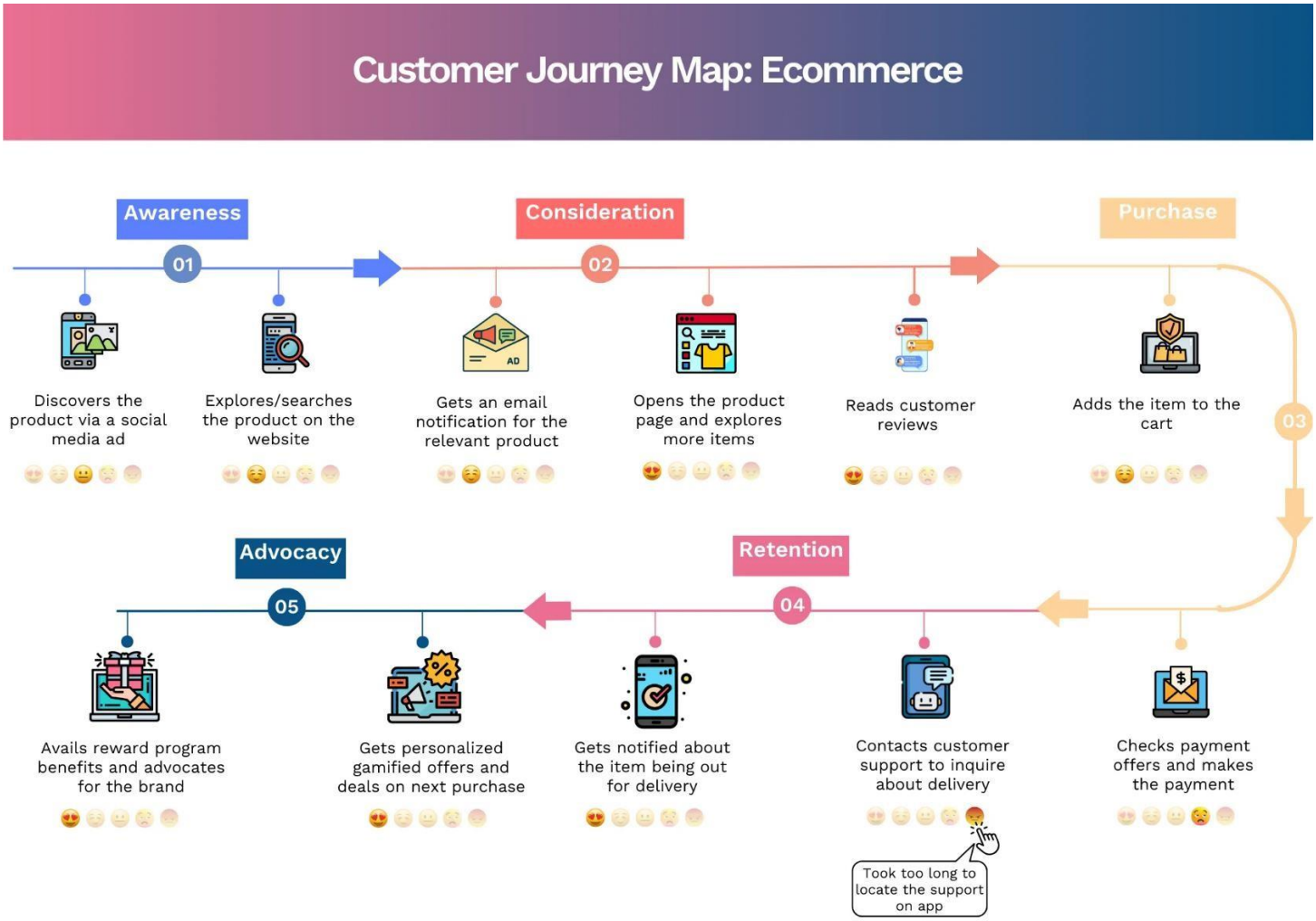


2.2 Empathy map canvas

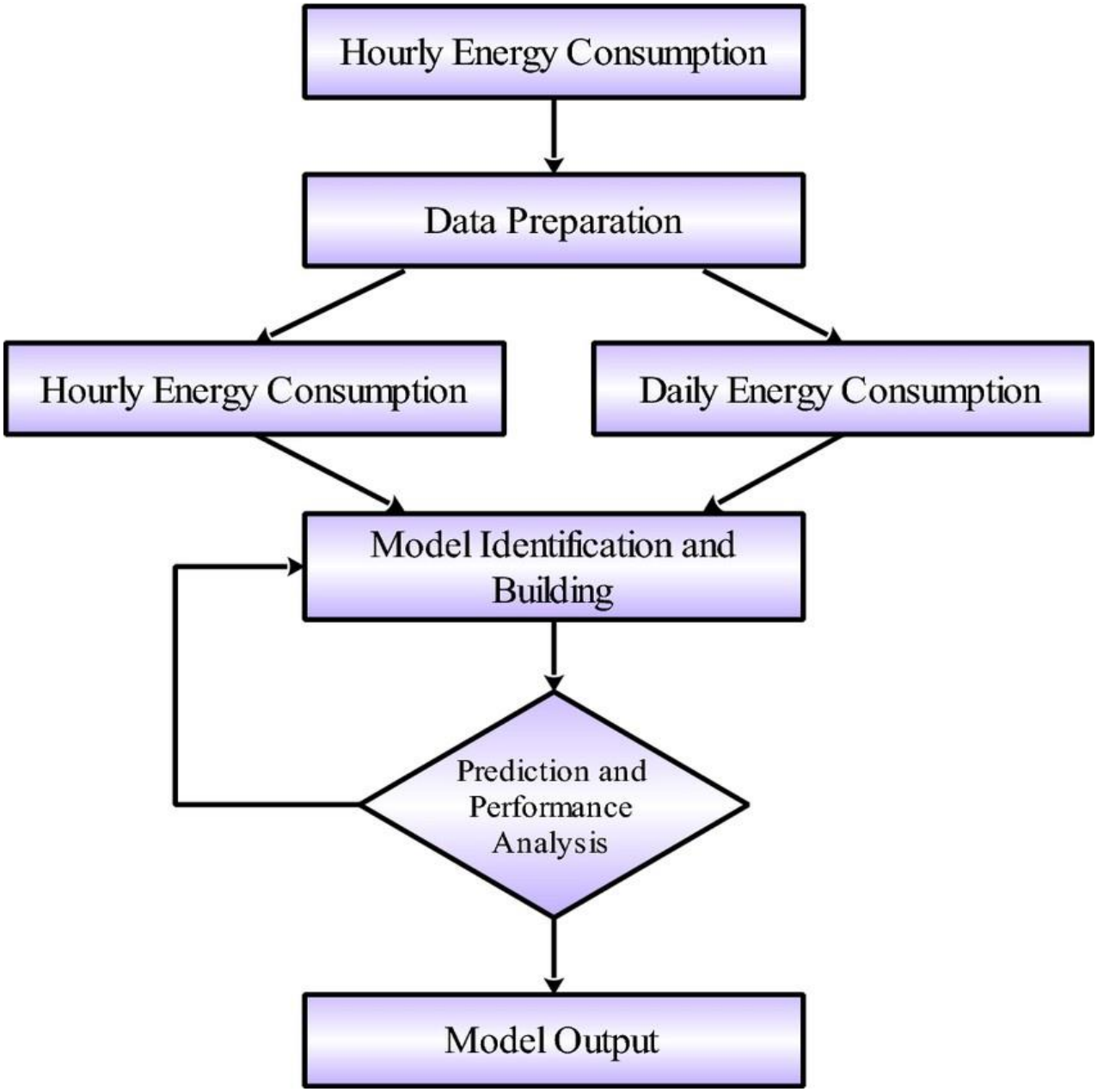


3. REQUIREMENT ANALYSIS:

3.1 Customer Journey map –



3.3 Data flow Diagram-



GITHUB LINK:- https://github.com/Ahalyatunga15/Electricity-consumption-analysis-/upload/main