IST 687 – Final Project
Team Log Group 5

Update 1 - Week 1-2

Vishnu Charugundla:

Conducted data preparation, focusing on merging static house data, energy usage data, and weather data.

Explored the data structure and format.

Likhith Kolli:

Collaborated with Vishnu on data preparation, addressing challenges in merging and organizing datasets.

Initiated data cleaning procedures on both static house data and energy usage data.

Prathyusha Murala:

Focused on data cleaning, addressing missing values and outliers in the datasets.

Explored initial data visualizations for basic insights.

Lekhith Reddy Kambham:

Worked on initial data visualizations, identifying patterns and trends in energy usage.

Contributed to discussions on data modelling approaches.

Austin Rodrigues:

Collaborated with Prathyusha on data cleaning, addressing inconsistencies in the datasets.

Initiated exploratory data analysis to gain insights into key variables.

Update 2 - Week 2-3

Vishnu Charugundla:

Completed data merging and initial feature engineering for modelling.

Assisted in exploratory data analysis.

Likhith Kolli:

Finalized data cleaning procedures and addressed inconsistencies.

Explored advanced data visualization techniques.

Prathyusha Murala:

Collaborated on refining data visualizations, focusing on energy usage patterns.

Initiated discussions on potential modelling approaches.

Lekhith Reddy Kambham:

Contributed to feature selection and refining data visualizations.

Collaborated with the team on model selection.

Austin Rodrigues:

Extended exploratory data analysis, focusing on understanding temporal patterns in energy usage.

Collaborated on refining features for modelling.

Final Update - Week 3-4

Vishnu Charugundla:

Implemented machine learning models for energy usage prediction.

Evaluated and compared different modelling approaches, selecting the best-performing model.

Created a PowerPoint presentation and delivered the presentation to the CEO of eSC

Likhith Kolli:

Collaborated on model implementation and optimization.

Finalized the shiny application for client interaction.

Prathyusha Murala:

Contributed to model implementation and optimization.

Drafted the presentation for the CEO, highlighting key findings and recommendations.

Lekhith Reddy Kambham:

Collaborated on model implementation and refining data visualizations.

Assisted in preparing the presentation, ensuring a clear and concise format.

Austin Rodrigues:

Collaborated on model implementation and optimization.

Finalized the shiny application for client interaction.