**Project Title: Measure Energy Consumption**

**Project Overview:**

* Provide an introduction to the project, explaining its purpose, significance, and the problem it aims to address. Include a brief description of what the project entails.
* **Project Goals**:
* Clearly state the objectives and goals of the project. What do you hope to achieve by measuring energy consumption?

**Design Thinking Process**:

* Explain how the design thinking methodology will be applied to this project. Highlight its importance in problem-solving and innovation.

**Empathize**:

* Describe the process of understanding the needs and concerns of users or stakeholders related to energy consumption. Include methods used for data collection and user feedback.
* **Define**:
* Define the problem statement based on the insights gathered during the empathize phase. Clearly articulate the challenges or issues related to energy consumption that the project aims to address.

**Ideate**:

* Discuss the creative brainstorming and idea generation process. Explain how potential solutions or approaches to measuring energy consumption were generated.

**Prototype**:

* Describe the development of prototypes or mock-ups for the energy consumption measurement system. Include details about the design, features, and functionality of the prototypes.

**Test**:

* Explain the testing phase, where the prototypes or concepts were evaluated. Discuss the criteria for testing and any adjustments or improvements made based on feedback.

**Implement**:

* Detail the implementation of the final solution for measuring energy consumption. Include information about hardware, software, and any other components used.

**Monitor and Iterate**:

* Discuss how the project will be monitored after implementation to ensure its effectiveness. Explain the iterative process for making improvements based on ongoing feedback and data.

**Key Components**:

* List and describe the key components of the energy consumption measurement system, including sensors, data collection methods, and reporting mechanisms.

**Project Timeline**:

* Provide a timeline or schedule that outlines the key milestones and phases of the project, including start and end dates for each phase.

**Conclusion**:

* Summarize the project’s objectives, achievements, and the impact it is expected to have on energy consumption monitoring. Reflect on the design thinking process and any lessons learned during the project.