Project Design Phase-II
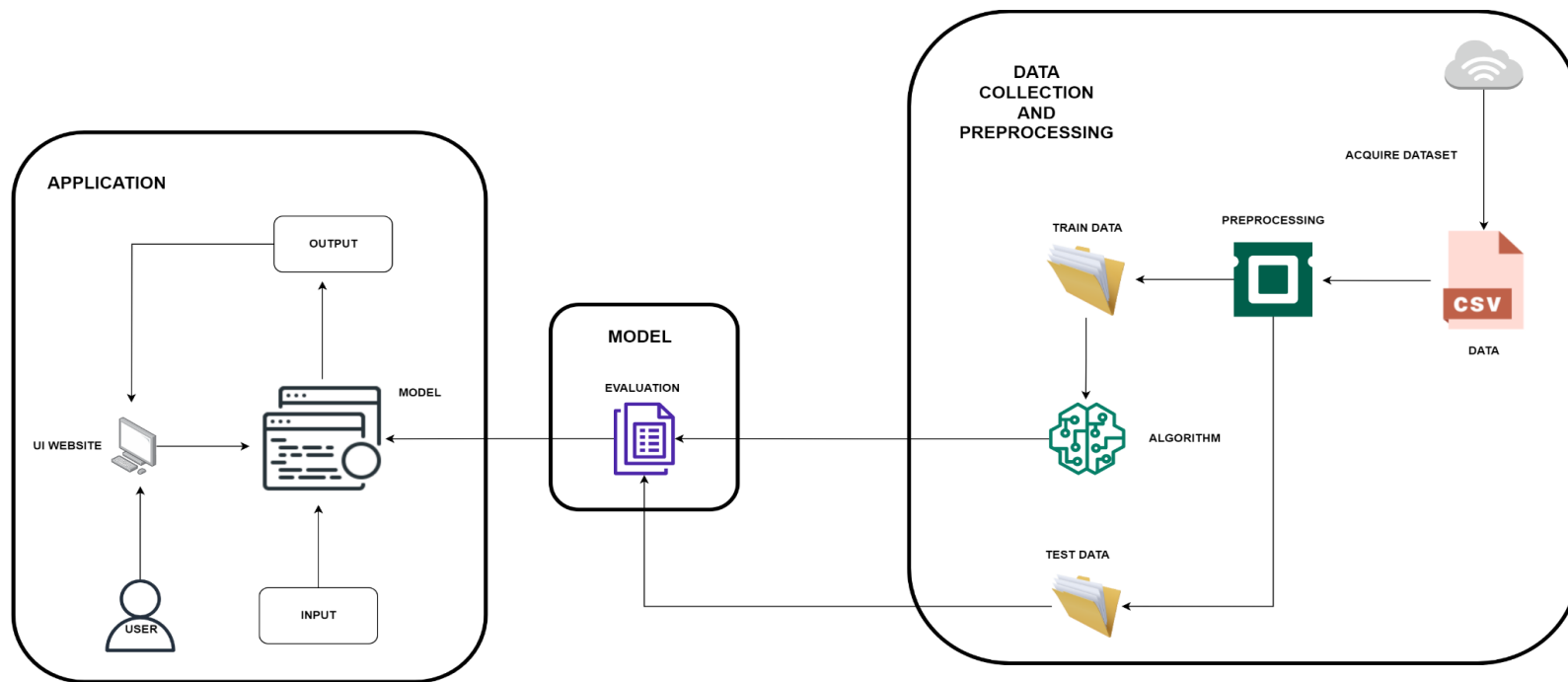## Data Flow Diagram & User Stories

Date	6 May 2023
Team ID	NM2023TMID21277
Project Name	Project - A Reliable Energy Consumption Analysis System For Energy-Efficient Appliances

Data Flow Diagrams:

User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Team Member
Customer (Mobile user)	Data Vizualisation	USN-1	As a user, I want to view my energy consumption data in an interactive graph.	The graph displays energy consumption over time, allows zooming and panning, and shows data for different appliances.	High	Suriyaa V
		USN-2	As a user, I want to receive personalized energy-saving recommendations based on my consumption patterns	The recommendations suggest specific actions to reduce energy waste and improve efficiency.	High	Kartikeyan TR
		USN-3	As a user, I want to set energy usage goals and track my progress over time.	The system displays my current energy usage compared to my goals, providing insights into my consumption habits.	Medium	Suriyaa V
		USN-4	As a user, I want to receive notifications when my energy consumption exceeds a predefined threshold.	The system sends me alerts when my consumption goes above the set limit, helping me stay aware and take necessary actions	Medium	Srikantan
		USN-5	As a user, I want to analyze my energy consumption patterns using advanced statistical models	The system provides statistical analysis, including trends, seasonality, and correlation with external factors, to help me understand my usage patterns better	High	Suriyaa
		USN-6	I want to compare my energy consumption with similar households in my area.	The system provides benchmarking features, allowing me to see how my usage compares to similar households and	Medium	Kartikeyan

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Team Member
				identify areas for improvement.		
		USN-7	I want access to customer energy consumption data and usage patterns.	The system provides a dashboard with customer information and historical usage data for efficient customer support and troubleshooting	Low	Hamilton
Customer Care Executive		USN-8	I want to generate personalized energy-saving tips for customers during support interactions.	The system provides energy-saving recommendations tailored to the customer's specific usage patterns and needs	High	Srikantan