Project Design Phase-I
Proposed Solution Template

Date	7 November 2023
Team ID	Team-592143
Project Name	Walmart Sales Analysis For Retail Industry With Machine Learning
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Understanding the impact of holidays (e.g., Super Bowl, Labor Day, Thanksgiving, Christmas) on the sales performance of 45 Walmart stores and developing precise sales forecasts for optimization.
2.	Idea / Solution description	The solution involves in-depth sales data analysis using machine learning algorithms (e.g., Random Forest, Decision Tree, XGBoost, ARIMA) to uncover holiday effects and provide accurate sales forecasts.
3.	Novelty / Uniqueness	Novelty lies in applying advanced data-driven techniques to analyze holiday-specific sales data, offering unique insights for precise forecasting.
4.	Social Impact / Customer Satisfaction	Improving sales forecasts may reduce waste and enhance customer satisfaction through better pricing and promotions.
5.	Business Model (Revenue Model)	The primary business model focuses on improving decision-making and sales optimization, potentially increasing revenue for Walmart.
6.	Scalability of the Solution	The solution is highly scalable, applicable to additional Walmart stores and potentially adaptable for broader retail environments.