

Project Design Phase-I

Proposed Solution

Date	30-10-2023
Team ID	Team-591779
Project Name	Walmart Sales Analysis for Retail Industry with Machine Learning
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none">Accurately predict the weekly sales of Walmart stores taking into account the impact of major holidays.
2.	Idea / Solution description	<ul style="list-style-type: none">Implement a model for Walmart to assess the impact of different features on weekly sales, using historical data from 45 stores.
3.	Novelty / Uniqueness	<ul style="list-style-type: none">Our solution uniquely integrates advanced machine learning with data analysis, considering not only internal sales data but also external factors like CPI, temperature.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none">The Walmart sales predicting machine learning model is expected to enhance social impact and customer satisfaction by optimizing inventory, reducing waste, and tailoring promotions, aligning with the company's commitment to operational efficiency and sustainability.
5.	Business Model (Revenue Model)	<ul style="list-style-type: none">Walmart can subscribe to our sales prediction solution, paying a flexible fee depending on how often they want sales predictions. This subscription gives them access to the predictive analytics platform.
6.	Scalability of the Solution	<ul style="list-style-type: none">Our solution works for more than just Walmart; it can adapt to the data from different retail companies using flexible machine learning algorithms. This makes it a good fit for various businesses for accurate sales predictions.