

# Project Design Phase – I

## Proposed Solution

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This project's primary goal is to develop a suitable machine learning model to predict the volume of orders needed to procure raw materials over the following ten weeks.

S.No	Parameter	Description
1	Problem Statement (problem to be solved)	<ul style="list-style-type: none"><li>• A food delivery service provider needs to handle perishable raw ingredients every day.</li><li>• Forecasting the quantity of raw ingredients needed for meal orders is therefore essential.</li></ul>
2	Idea / Solution Description	<ul style="list-style-type: none"><li>• Building a machine learning model that employs a classification algorithm to anticipate the amount of orders to acquire raw materials for the next 10 weeks is the major goal of the food demand forecaster project.</li><li>• The proper information is acquired from pertinent datasets, which include details about food delivery services in any location, meal details, pricing per meal, and discounts for meals within a specific week.</li></ul>
3	Novelty / Uniqueness	<ul style="list-style-type: none"><li>• Customer information is automatically updated by the system.</li><li>• In order to forecast the raw materials, data is examined.</li><li>• UI that's easy to use.</li></ul>

4	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> <li>• Improved client profitability.</li> <li>• Reduce waste from basic materials.</li> </ul>
5	Business Model (Financial Benefit)	<ul style="list-style-type: none"> <li>• It will decide which site was most in demand after looking at the food-related data for each location.</li> <li>• Incredibly successful.</li> </ul>
6	Scalability of Solution	<ul style="list-style-type: none"> <li>• The examination of industrial data benefits the customer.</li> <li>• It makes forecasts based on daily examinations of the sold foods.</li> </ul>