

Project Design Phase-I

Proposed Solution Template

Date	23 September 2022
Team ID	PNT2022TMID8163
Project Name	Demand Est-AI Powered Food Demand Forecaster
Maximum Marks	

Proposed solution:

The main aim of this project is to create an appropriate machine learning model to forecast the number of orders to gather raw materials for next ten weeks.

S. No	Parameter	Description
1	Problem statement (problem to be solved)	To control food wastage on industry by analyzing demand of the customer and forecast accordingly and stock raw material based on their needs by knowing the seasonal trends.
2	Idea / Solution description	Collecting data of highly demanded food list and provide items accordingly. Provide an ID to the customers who visit often to the industry. By using an AI algorithm making a daily report that compares old and new data using our AI implemented system model.
3	Novelty / Uniqueness	Creating an automated data updating system which updates data and analyze the data according to the industry requirement.
4	Social Impact / Customer Satisfaction	It will help user on controlling the food wastage. Proper analysis will give customer more profit and reduce wastage of raw materials.
5	Business Model (financial Benefit)	On analyzing the food data in every location thereby concluding the demanded location which gives customer high on its profit. Proper analysis can make high inventory turnovers.
6	Scalability of Solution	In this model customer gets benefits on analyzing their industry data and provides prediction on day to day analysis of food that sold and reduce the wastage of food by predicting its sales movements.