

IDEATION PHASE

DEFINE THE PROBLEM STATEMENTS

Date	16 october 2022
Team ID	PNT2022TMID45520
Project Name	Project – AI Powered Food Demand Forecasting
Maximum Marks	2 marks

DemandEst - AI powered Food Demand Forecaster

define the problem statements

Customer Problem Statement :

Demand forecasting is a vital part to each developing online business. Without appropriate demand forecasting processes set up, having the perfect proportion of stock available at some random time can be almost unimaginable. A food delivery services needs to manage a lot of perishable raw materials which makes it even more significant for such an organization to accurately forecast everyday and week by week forecasting.

A lot of stock in the inventory means more risk of wastage, and insufficient could prompt out-of-stocks – and push clients to look for arrangements from your competitors. The client is a meal delivery organization which works in numerous urban communities.

They have different satisfaction places in these urban communities for dispatching meal requests to their clients. The client needs to demand the forecasting in these places for upcoming weeks so that these centers can plan the stock of raw materials accordingly.

The replenishment of majority of raw materials is done on a weekly basis and since the raw material is perishable, the procurement planning is of utmost importance. Secondly, staffing of the centers is also one area wherein accurate demand forecasts are really helpful.



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	meal delivery or service company	delivery food	cancelled the delivery service	scarcity of stock or raw material	frustrated
PS-2	meal delivery or service company	purchase raw materials	the stock either gets wasted or becomes out of stock	the company failed to predict the demand accurately	miserable