

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	15 October 2022
Team ID	PNT2022TMID44128
Project Name	DemandEst-AI Powered Food Demand Forcaster
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story Sub-Task)
FR-1	User Input	GUI allows the user to input area, city and meal information like category of food sub category of food price of the food are discount in particular week.
FR-2	Model	LSTM is an artificial recurrent neural network RNN architecture used in the field of deep learning.
FR-3	Prediction	The trained model has to be tested by using the test data provided by collected data set and the accuracy of the model should be above 90%
FR-4	Evaluation	Ensure that the output produced by the model is correct

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Can predict food demand with accuracy. Organization can make use of machine learning algorithm to predict changes in consumer demand as accurately as possible.
NFR-2	Security	It ensures security as the given input is not stored in any database.
NFR-3	Reliability	Can process confidential information without data leakage as the data is never stored in any database.
NFR-4	Performance	Improvement in fast prediction. We use RNN algorithm for accurate prediction
NFR-5	Availability	Available for web and mobile browsers
NFR-6	Scalability	Helps many individuals with low time consumption and high accuracy