Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	18 October 2022
Team ID	PNT2022TMID22680
Project Name	DemandEst- AI Powered Food Demand Forecaster
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Pre – Requisites	USN-1	A prerequisite is a required prior condition. If something is required in advance of something else. For our project we need to install the anaconda, python note books.	10	Low	Keerthana S Aarthi R Abinaya K Indhumathi K
Sprint-1	Dataset collection	USN-2	The Datasets are collected form the Various websites for providing the training to the project	10	Medium	Keerthana S
Sprint-2	Data Pre-Processing. Improving the libraries	USN-3	Before implementing the project we have to process the data by installing the necessary libraries	5	High	Keerthana S Aarthi R
Sprint-2	Reading the dataset. Exploratory data analysis	USN-4	After the data processing the dataset is processed under some analysis for the improvement of data clarity	5	High	Keerthana S Abinaya K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Checking for null values. Reading and merging.csv files.	USN-5	A null indicates that a variable doesn't point to any object and holds no value. Step 1: Create & Export Multiple Data Frames.First, we'll use the following code to create andexport three data frames to CSV files: #create three data frames df1 <- data. ... Step 2: Import & Merge Multiple CSV Files.	2	Medium	Keerthana S Indhumathi K
Sprint-2	Dropping columns. Label encoding	USN-6	First, you define the table name from which you wish to remove or delete the column**.** **Label Encoding** refers to converting the labels into a numeric form so as to convert them into the machine-readable form.	6	Medium	Keerthana S Aarthi R
Sprint-2	Splitting the dataset into dependent and independent variable. Split the dataset into train set and test set	USN-7	The simplest way to split the modelling dataset into training and testing sets is to assign 2/3 data points to the former and the remaining one-third to the latter.	2	Low	Keerthana S Abinaya K
Sprint-3	Model Building	USN-8	What the person using the product wants to be able to do. A traditional requirements focuses on functionality.	10	High	Keerthana S Indhumathi K
Sprint-3	Train and test model algorithms Model evaluation	USN-9	The **train-test** split procedure is used to estimate the performance of machine learning **algorithms** when they are used to make predictions on data.	5	Low	Keerthana S Indhumathi K
Sprint-3	Save the model. Predicting the output using the model.	USN-10	predict passes the input vector through the model and returns the output tensor for each datapoint.	5	Medium	Keerthana S Aarthi R
Sprint-4	Application building. Create an HTML file	USN-11	An app builder is an online software tool that allows everyone to create and publish apps for mobile devices without code development.	10	High	Keerthana S IndhumathiK Aarthi R Abinaya K
Sprint-4	Build python code. Run the app	USN-12	A tool provided by the Python PackagingAuthority (PyPA) for building Python packages.	10	High	Keerthana S IndhumathiK Aarthi R Abinaya K