Project Planning Phase

Milestone and Activity list

Date	03-November-2022
Team ID	PNT2022TMID08854
Project Name	DemandEst - AI powered Food Demand
	Forecaster
Maximum Marks	8 Marks

Completed Tasks:

MILESTONES	ACTIVITY	DESCRIPTION
Ideation phase	Literature survey	Contains selected project and gathering information.
	Empathy map	To capture the user pains and gains, a list of problem statement.
	Ideation	The top three ideas based on feasibility hand importance and Organising the brainstorming session and prioritizing it.
Project design phase 1	Proposed solution	It includes novelty, feasibility of ideas, business model.social impact, scalability of solution.

Problem solution fit	Prepare problem solution fit Documents.
Solution architecture	Prepare solution architecture document.

	Customonia	Duo no no accepto ne su
	Customer journey map	Prepare customer
Duningt design where 2		journey map to
Project design phase 2		understand the user
		interactions and
		experience with the
		application.
	Functional requirements	Prepare functional and non-
		functional necessity
		document.
	Data flow diagram	Prepare data flow
	_	diagram and user
		stories
	Technology architecture	Draw technology architecture
		diagram
Project planning phase	Milestones and activity	Prepare milestones and activity
	list	list of the project.
	Sprint delivery plan	Planning of sprints
	In Order To Develop This	Anaconda Navigator
Pre-Requisites	Project,We Need To	
	Install Following	
	Software's/Package	
	To Build Machine	Numpy
	Learning Models You	Pandas
	Must Require The	Sicikit-learn
	Following Packages	Matplotlib and Seaborn
		Flask
	Collect The Dataset or	train.csv
Dataset Collection	Create The Flask	test.csv
		fulfilment_center_info.csv
		meal_info.csv
Data Pre-Procesing	Importing The Libraries	Pandas
1		

		NumPy
	Reading The Dataset	Read_csv()
	Exploratory Data	train.head()
	Analysis	test.head()
	Checking For Null Values	train.ismull().sum()
	Reading And Merging.csv	meal_id
	Files	center_id
	Droping Columns	center_id
		meal_id
		trainfinal
	Label Encoding	scikit_learn
		trainfinal.head()
	Data Visualization	Data visualization is where a
		given data set is presented in a
		graphical format
	Splitting The Dataset into	homepage_featured
	Dependent And	emailer_for_promotion
	Independent Variable	op_area
		cuisine
		city_code
		region_code
	Split The Dataset Into	train_test_split
	Train Set And Test Set	Train Dataset
		Test Dataset
		test_size
		train_size
		train_test_split
Model Building	T	There are several Machine
	Train And Test Model	learning algorithm to be used
	Application	depending on the data you are
		going to process such as
		images,sound,text and numerical values.
	Model Evaluation	We're going to use x_train and
	iviouei Evaluation	y_train obtained above in

		train_test_split section to train our regression model.
	Save The Model	After building the model we have to save the model.
	Predicting The Output Using The Model	Here, we are creating X_test which are using to test the model to predict the number of orders by giving input to the model build.
Application Building	Create An HTML File	We use HTML to create the font-end part of the web page.
	Build Python Code	Let us build flask file 'apply.py' which is a web framework written in python for server - side scripting.
	Run The App	Run the application from anaconda prompt.
Train The Model On IBM	Register For IBM Cloud	Create IBM Account
	Train The ML Model On IBM	Watch The Video To Train The Machine Learning Model On IBM Watson.
	Integrate Flask With Scoring End Point	Watch The Video To Integrate The Scooring Endpoint To The Flask

Remaining Tasks:

MILESTONES	ACTIVITY	DESCRIPTION
Project Development Phase	Project Development Delivery Of Sprint-1	In this activity are expected to develop & submit the developed code by testing it.
	Project Development Delivery Of Sprint-2	In this activity are expected to develop & submit the developed code by testing it.
	Project Development Delivery Of Sprint-3	In this activity are expected to develop & submit the developed code by testing it.
	Project Development Delivery Of Sprint-4	In this activity are expected to develop & submit the developed code by testing it.