Project Planning Phase

Milestone and Activity list

Date	02-November-2022
Team ID	PNT2022TMID28087
Project Name	DemandEst - Al powered Food Demand Forecaster
Maximum Marks	8 Marks

Completed Tasks:

MILESTONES	ACTIVITY	DESCRIPTION				
Ideation phase	Literature survey	Literature survey on selected project and gathering information.				
	Empathy map	Prepare empathy map to capture the user pains and gains, prepare a list of problem statement.				
	Ideation	Organising the brainstorming session and prioritise the top three ideas based on feasibility hand importance.				

Project design phase 1	Proposed solution	Prepare proposed solution document which 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.			

	Customer journey map	Prepare customer		
Project design phase 2		journey map to		
Froject 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	Andconda Wavigatoi		
·	Install Following			
	Software's/Package			
	Juliwale 3/ Fackage			

	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

	NumPy
Reading The Dataset	Read_csv()
Exploratory Data Analysis	train.head() test.head()
Checking For Null Values	train.ismull().sum()
Reading And	meal_id
Merging.csv	center_id
Files	
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	homepage_featured
into	emailer_for_promotion
Dependent And	op_area cuisine
Independent Variable	city_code region_code

	Split The Dataset Into Train Set And Test Set	train_test_split Train Dataset Test Dataset test_size train_size train_test_split			
Model Building	Train And Test Model Application Application There are several Malearning algorithm to be used depending on the data you going to process such as images, sound, text and numerical values.				
	Model Evaluation	We're going to use x_train and 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	t 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 'app which is a web framework written in python for serv 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	Watch The Video To Integrate
Scoring End Point			The Scooring Endpoint To The
			Flask

Remaining Tasks:

MILESTONES	ACTIVITY		DESCRIPTION			
Project Development Phase	Project	Development	In this act	ivity	are expect	ed to
	Delivery O	f Sprint-1	develop	&	submit	the
			developed	d cod	e by testin	g it.
	Project	In this act	ivity	are expect	ed to	
	Delivery Of Sprint-2		develop	&	submit	the
			developed	d cod	e by testin	g it.
	Project Development		In this act	ivity	are expect	ed to
	Delivery O	Delivery Of Sprint-3		&	submit	the
			developed	d cod	e by testin	g it.
	Project	Development	In this act	ivity	are expect	ed to
	Delivery Of Sprint-4		develop	&	submit	the
		developed	d cod	e by testin	ıg it.	