

Project Planning Phase Project Planning (Milestone Activity List)

Date	19 October 2022
Team ID	PNT2022TMID10838
Project Name	Machine Learning based Vehicle Performance Analyzer
Maximum Marks	4 Marks

MILESTONE

Pre-Requisites	M-01	The following software concepts and packages, including Machine learning, Python, KNN, Python Flask, IBM Cloudland DB, and Watson Studio, should have been familiar to us by the time we finished this project.	Yes
Data Collection	M-02	To create a project structure, create a Dataset.	Yes
Data Preprocessing	M-03	The dataset collection is separated into a various collection, first reading the dataset, handling the missing values, label encoding and one hot coding, splitting the dataset into dependent and independent variable, and into trainset and test set and normalizing and finally importing libraries.	Yes
Model Building	M-04	Build the model with the random forest regressor, predict the values and model the evaluation	Yes
Application Building	M-05	First, build an Index, HTML file, python code and python code-II, Run the app and finally output.	Yes
Train the model on IBM	M-06	Register on cloud IBM, train the model on IBM and integrate with the flask with scoring end point.	Yes

Ideation Phase	M-07	Prepare empathy map, take literature survey and Ideation.	Yes
Project Design Phase-I	M-08	Proposed Solution, Problem solution fit, Solution architecture.	Yes
Project Design Phase-II	M-09	Preparation of the technological stack architecture, functional requirements, data flow diagrams, and customerjourney mapping.	Yes
Project PlanningPhase	M-10	Prepare Milestone & Activity List and Sprint Delivery Plan.	Yes
Project development phase	M-11	Develop Sprint 1, Sprint 2, Sprint 3, Sprint 4.	Yes

ACTIVITY LIST

Activity Number	Activity	Sub Activity	Assigned To	Status
1.	Pre-Requisites		Arvind Y Harish G Gita Prakash N Dharmaraj R	Completed
2.	Data collection	Structure Brainstorming and Preparation	Arvind Y Harish G Gita Prakash N Dharmaraj R	Completed
3.	Data Preprocessi ng	Dataset download structure	Arvind Y Harish G Gita Prakash N	Completed
4.	Model Building	Random forest regressor, predict the values and model the evaluation.	Arvind Y	In Progress

6.	Application Building	First, build an Index, HTML file, python code and python code-II, Run the app and finally output	Arvind Y Harish G Dharmaraj R	In progress
7.	Train of KNN model in IBM cloud	Register on cloud IBM, train the model on IBM and integrate with the flask with scoring end point.	Arvind Y Harish G Gita Prakash N Dharmaraj R	In progress
8.	Ideation Phase	Prepare empathy map, take literature survey and Ideation.	Arvind Y Harish G Gita Prakash N Dharmaraj R	Completed
9.	Project Design Phase- 1	Literature Review, Empathy map, Ideation of the project.	Arvind Y Harish G Gita Prakash N Dharmaraj R	Completed

10.	Project Design Phase-2	Proposed Solution, Problem, Solution Fit and Solution Architecture	Arvind Y Harish G Gita Prakash N Dharmaraj R	Completed
11.	Project Planning Phase	Customer journey, Functional requirement, Data flow Diagrams and Technology stack Architecture.	Arvind Y Harish G Gita Prakash N Dharmaraj R	Completed
12.	Project Development Phase	Milestone preparation, activity list, sprint delivery plan.	Arvind Y Harish G Gita Prakash N Dharmaraj R	In Progress