

# Milestone and Activity List

Date	29 October 2022
Team ID	PNT2022TMID08017
Project Name	Developing A Flight Delay Prediction Model Using Machine Learning

## Milestone List

Milestone name	Milestone number	Description	Mandatory
Project Objectives	M-01	Objective of the project is to predict the delay of the flights using a machine learning model	Yes
Project Flow	M-02	Project flow is a preset sequence of activities required to plan, produce, deliver and maintain project product, along with information, materials, and resources required by the project.	Yes
Prerequisite	M-03	In order to develop this project we need to install the software/packages that are required	Yes
Prior Knowledge	M-04	One should have knowledge on the Supervised and unsupervised Learning, Regression Classification and Clustering, Decision tree and flask	Yes
Data collection	M-05	We can collect dataset from different open sources like kaggle.com	Yes

Data preprocessing	M-06	Importing the required libraries and perform analysing ,Visualising ,Encoding ,Splitting etc	Yes
Model Building	M-07	Importing the model building libraries and build the model	Yes
Train and test the model	M-08	Train and test the model with the preprocessed and splitted dataset	Yes
Build application	M-09	Build the web application using flask and deploy in IBM cloud	Yes
Ideation phase	M-10	Prepare Literature Survey on the selected Project and Information Gathering, empathy map and ideation	Yes
Project design phase-I	M-11	Prepare Proposed solution, problem-solution fit and Solution Architecture	Yes
Project Design Phase-II	M-12	Prepare Customer journey functional requirements, Data Flow diagram and Technology Architecture	Yes
Project Planning Phase	M-13	Prepare Milestone list, Activity list and Sprint Delivery Plan	Yes
Project Development Phase	M-14	Project Development delivery of Sprint 1, Sprint 2, Sprint 3, Sprint 4	Yes

## ACTIVITY LIST

Activity number	Activity	Sub activity	Assigned member	Status
1.	Project Objectives	Objective	All	Completed
2.	Project Flow	Flow of project	All	Completed
3.	Prerequisite	Anaconda navigator IBM cloud	All	Completed
4.	Prior Knowledge	Knowledge required	All	Completed
5.	Data collection	Download the Dataset	Udaya Balaji, Sheik Hassain Sadiq	Completed
6.	Data processing	Preprocess the dataset for model creation	Sathish, Varun	Completed
7.	Model Building	Create a model that can predict the flight delay	Udaya Balaji, Sheik Hassain Sadiq	Completed
8.	Train and test the model	Train and test the model	Udaya Balaji, Sheik Hassain Sadiq	Completed
9.	Build application	Build application and deploy in cloud	Sathish, Varun	In progress
10.	Ideation phase	Literature Review. Empathy map. Ideation	All	Completed
11.	Project design phase-I	Proposed Solution Problem solution fit Solution Architecture.	All	Completed
12.	Project Design Phase-II	Customer journey. Functional requirement. Data flow Diagrams. Technology Architecture.	All	Completed

13.	Project Planning Phase	Prepare milestone and activity list., Sprint delivery plan	All	Completed
14.	Project Development Phase	Project Development-Delivery of Sprint-1 Project  Development-Delivery of Sprint-2.  Development-Delivery of Sprint 3.  Development-Delivery of Sprint-4.	All	In progress  In progress  In progress  In progress