

# Prepare Milestone & Activity List

Date	01 November 2022
Project Name	Developing a flight delay prediction using machine learning
Maximum marks	4 Marks
TEAM ID	PNT2022TMID43039

## 1. Project Objectives:

- Abstract
- Understand a problem and to find if it is classification or regression type of problem

## 2.. Pre requisites:

- Anaconda navigator
- Import python libraries

## 3. prior knowledge

- Concept of supervised and unsupervised learning
- And its types

## 4. Create a project structure

- Flightdata.csv
- Flight delay analysis. ipynb
- Flight.pkl
- flask

## 5. Data collection

- create/download a dataset

## 6.Data pre-processing

- import required libraries
- importing dataset
- analyze the data
- handle missing values
- data visualization
- drop unnecessary columns
- label encoding
- split the dataset into train and test

## 7.Application building

- Build HTML, python code, execute and test your model

## 8.Train the model

- Register for IBM cloud
- Train the model
- Integrate flask with scoring end point

## 9. Ideation Phase:

- Literature Survey on The Selected Project
  - Prepare Empathy Map
  - Ideation & Brainstorming
10. Project Design Phase -1:
- Proposed Solution
  - Prepare Solution Fit
  - Solution Architecture
11. Project Design Phase -2:
- Customer journey
  - Functional Requirement
  - Data Flow Diagram
  - Technology Architecture
12. Project planning Phase:
- Prepare Milestones & Activity List
  - Sprint Delivery Plan
13. Project Development Phase:
- Project Development-Delivery of Sprint-1
  - Project Development-Delivery of Sprint-2
  - Project Development-Delivery of Sprint-3

S.NO	ACTIVITY TITLE	ACTIVITY DESCRIPTION	DURATION
1	Understanding the project	Assign the team members after that create repository in the GitHub and then assign task to each member and guide them how to access the GitHub while submitting the assignments	1 week
2	Staring the Project	Team Members to assign all the tasks based on sprints and work on it accordingly.	1week
3	Completing Every Task	Team leader should ensure that whether every team member have completed the assigned task or not.	1week
4	Deadline	Ensure that team members are completing every task within the deadline.	1week