

PROJECT PLANNING PHASE

MILESTONE AND ACTIVITY LIST

Date	18 October 2022
Team ID	PNT2022TMID27775
Project Name	Developing a flight delay prediction using machine learning
Maximum Marks	2 marks

S.no	Milestone	Activity Description	Team Members
	Preparation phase	Access the resources in the project dashboard. Access the guided project workspace. Create a GitHub account & collaborate with Project Repository in project workspace. Set-up the Laptop / Computers based on the prerequisites for each technology track	Pooja Lakshmi, Gayathri.Vaddi, Janani, Shuruthi
	Ideation phase		
	Literature Survey	Gathering information about various papers related to the project	Gayathri.Vaddi
	Empathy Map	To capture the pains, gains and thoughts of the user (The customer who is passenger of the flight being delayed)	Pooja Lakshmi
	Problem Statements	To identify clear goals of the project	Janani
	Brainstorming	To prioritise the ideas based on feasibility and importance	Shuruthi
	Project Design Phase I		
	Proposed Solution	Preparation of proposed solution document, which includes the	Janani, Pooja lakshmi

		novelty, feasibility of idea,business model, social impact, scalability of solution	
	Problem Solution Fit	Problems and solutions are analysed and coming with effective solutions	Shuruthi
	Solution Architecture	Prepare an architecture diagram (block diagram) for the solution	Gayathri.Vaddi
	Project Design Phase II		
	Requirement Analysis	Listing of functional and non-functional requirements of projects.	Gayathri.Vaddi
	Customer Journey	Preparation of customer journey maps to understand the user interactions & experiences with the application using the template.	Pooja Lakshmi
	Data FlowDiagrams	Prepare DFD to understand the process, inputs and outputs better	Shuruthi
	Technology Architecture	Prepare the Technology architecture diagram	Janani
	Project Planning Phase		
	Milestone and Tasks	Prepare the milestone and activity list for the entire project.	Pooja Lakshmi, Janani
	Sprint Schedules	Sprint schedule for the project is planned	Shuruthi, Gayathri.Vaddi
	Project Development Phase		
	Coding & Solutioning	Sprint-1 Delivery: Develop the Code, Test and push it to GitHub.	Shuruthi
	Data Collection	Download dataset. And create test and train folders	Pooja Lakshmi
	Data Preprocessing and Model Building	<ul style="list-style-type: none"> ● Pre-processing of the data is done and it is split into train and test dataset. ● Required libraries are imported, and required layers are added to the model. 	Janani, Gayathri.Vaddi

		<ul style="list-style-type: none"> Model is compiled. Fit and save the model 	
	Train the model	Register for the IBM cloud and Train the model	Pooja Lakshmi Gayathri.Vaddi Janani Shuruthi
	Application Building	Build HTML pages	Pooja Lakshmi Gayathri.Vaddi Janani Shuruthi
		Build Flask Application	
	Testing	Sprint-2,3,4 Delivery: Develop the Code, Test and push it to GitHub. Application is executed and tested	Pooja Lakshmi Gayathri.Vaddi Janani Shuruthi

Milestone Timeline Chart

