Project Planning phase

Prepare Milestone and
Activity List

Date	31 October 2022
Team ID	PNT2022TMID005549
Project Name	Project- Traffic and Capacity Analytics for Major Ports

DATE	MILESTONE	ASSIGNEE	STATUS	DESCRIPTION
31/08/2022	Data Collection-Download dataset	Syed Akkeal Juniath S A Sakthi Ganesh R Subramanian P Sundhareshwar V	Completed	The dataset for Traffic and Capacity Analytics is to be collected. The dataset which is considered will havethe port information
7/09/2022	Data Pre-processing 1.Renaming the column names 2.Preparing calculations 3.Checking for NULL values 4.Checking for outliers 5.Summarization of dataset 6. Label Encoding	Syed Akkeal Juniath S A Sakthi Ganesh R Subramanian P Sundhareshwar V	Completed	Preprocessing involves renaming the existing column names into meaningfulone, preparing calculations such as calculating traffic percent, checking forNULL values in the dataset.
14/09/2022	Visualizing the dataset	Syed Akkeal Juniath S A Sakthi Ganesh R Subramanian P Sundhareshwar V	Completed	Visualizing the dataset involves plotting thedataset using various plots and doing analysis on that.
21/09/2022	Model Building 1. Building the model using suitable machine learning algorithm 2. Training and testing the model	Syed Akkeal Juniath S A Sakthi Ganesh R Subramanian P Sundhareshwar V	In -Progress	Using certain algorithms to build the model.Those algorithms include 1.Linear regression

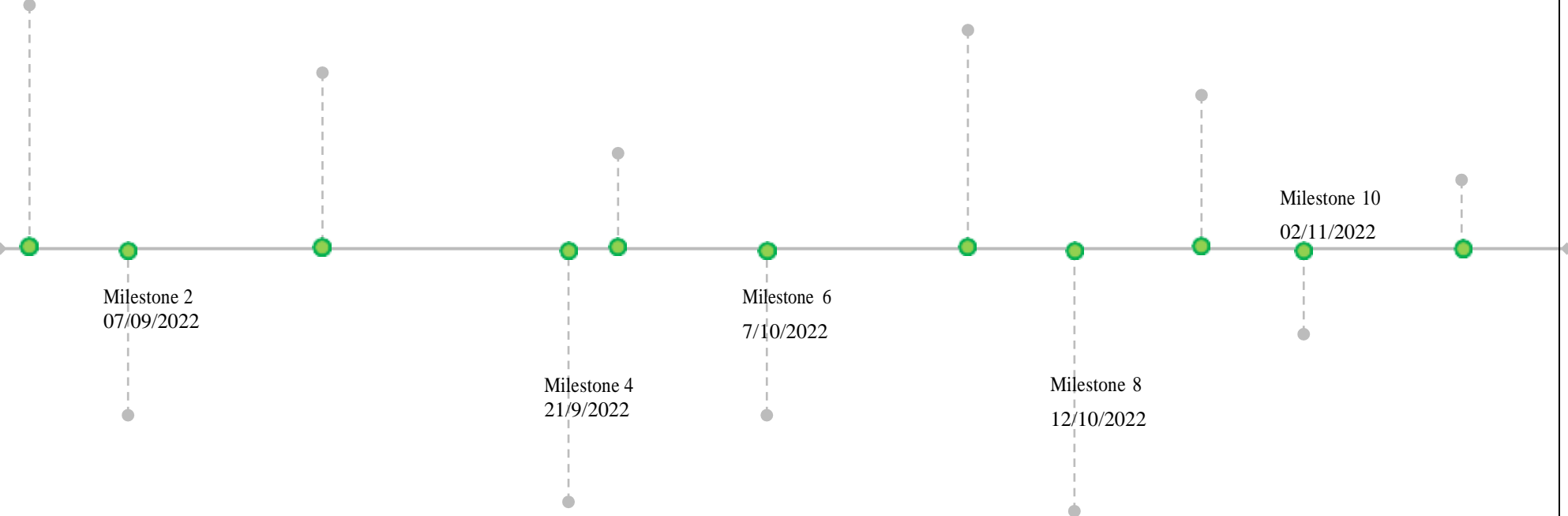| Date	Phase/Task	Team Members	Status	Description
28/09/2022	Dashboard Creation	Syed Akkeal Juniath S A Sakthi Ganesh R Subramanian P Sundhareshwar V	Completed	Dashboard for visualizing the port statuswill be developed.
7/10/2022	Ideation Phase 1. Literature survey on the selected project and information gathering. 2. Prepare the empathy map. 3. Ideation	Syed Akkeal Juniath S A Sakthi Ganesh R Subramanian P Sundhareshwar V	Completed	Start the ideation process
10/10/2022	Project Design Phase -1 1. Proposed solution. 2. Prepared fit solution 3. Solution Architecture	Syed Akkeal Juniath S A Sakthi Ganesh R Subramanian P Sundhareshwar V	Completed	Prepare the proposed solution document,which includes the novelty, feasibility ofidea, business model, social impact, scalability of solution, etc.
12/10/2022	Project Design Phase -2 1. Customer journey. 2. Functional requirements 3. Data flow diagram. 4. Technology architecture	Syed Akkeal Juniath S A Sakthi Ganesh R Subramanian P Sundhareshwar V	Completed	Prepare the customer journey maps to understand the user interactions & experiences with the application (entry toexit) , Functional requirements and constructarchitecture
31/10/2022	Project Planning Phase 1. Milestone Activity List 2.Sprint Delivery plan	Syed Akkeal Juniath S A Sakthi Ganesh R Subramanian P Sundhareshwar V	Completed	Prepare milestone activity list and sprintdelivery plan for outline of work flow
02/11/2022	Project Development Phase 1.Sprint -1 2.Sprint-2 3.Sprint-3 4.Sprint-4	Syed Akkeal Juniath S A Sakthi Ganesh R Subramanian P Sundhareshwar V	In-Progress	Plan of each task sprint to be developed.