

## PROJECT PLANNING MILESTONE AND ACTIVITY LIST

Date	5 November 2022
Team ID	PNT2022TMID16862
Project Name	Project – Traffic and Capacity Analytics for Major Ports
Maximum Marks	8 Marks

- **PLANNING**- All the modules and features are planned which are going to be implemented.
- **REQUIREMENTS**- The required software tools are installed. With the help of these tools the project is going to be developed.
- **DESIGN**- The modules like login page, dashboard, registration etc are going to be designed.
- **DEVELOPMENT**- The predictor is going to be developed which analyses the previous dataset .To develop this predictor specific algorithm is used.
- **TESTING**- After the developing stage is done ,the model is tested to check whether there is any error or bug .If any error or bug occurs, it is eliminated.
- **DEPLOYMENT**- Finally , the project is submitted in GitHub.

DATE	MILESTONE	ASSIGNEE	STATUS	DESCRIPTION
25/08	Data collection- Download Dataset	Varsha.A Soundarya Lakshmi..A Siva Saraswathi.M Vishali.R.K	Completed	The dataset for Traffic and Capacity Analytics is to be collected.The dataset which is considered will have the port information
30/08	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	Varsha.A Soundarya Lakshmi..A Siva Saraswathi.M Vishali.R.K	Completed	Preprocessing involves renaming the existing coloumn names into meaningful one,preparing calculations such as calculating traffic percent,checking for NULL values in the dataset.
5/09	Visualizing the dataset	Varsha.A Soundarya Lakshmi..A Siva Saraswathi.M Vishali.R.K	In-Progress	Visulaizing the dataset involves plotting the dataset using

				various plots and doing analysis on that.
15/09	Model Building 1.Building the model using suitable machine learning algorithm 2.Training and testing the model	Varsha.A Soundarya Lakshmi..A Siva Saraswathi.M Vishali.R.K	In-Progress	Using certain algorithms to build the model. Those algorithms include 1.Linear regression
20/09	Dashboard creation	Varsha.A Soundarya Lakshmi..A Siva Saraswathi.M Vishali.R.K	In-Progress	Dashboard for visualizing the port status will be developed.
25/09	Ideation phase 1.Literature survey on the selected project and information gathering. 2.Prepare the empathy map. 3.Ideation	Varsha.A Soundarya Lakshmi..A Siva Saraswathi.M Vishali.R.K	Completed	Start the ideation process
10/10	Project Design Phase-1 1.Proposed solution 2.Problem fit Solution 3.Solution Architecture.	Varsha.A Soundarya Lakshmi..A Siva Saraswathi.M Vishali.R.K	Completed	Prepare the proposed solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution, etc.
12/10	Project Design Phase-2 1.Customer journey map 2.Functional requirements 3.Data flow diagram 4.Technology architecture	Varsha.A Soundarya Lakshmi..A Siva Saraswathi.M Vishali.R.K	Completed	Prepare the customer journey maps to understand the user interactions & experiences with the application (entry to exit) ,Functional requirements and construct architecture
6/11	Project Planning phase 1.Milestone Activity list 2.Sprint Delivery plan	Varsha.A Soundarya Lakshmi..A Siva Saraswathi.M Vishali.R.K	Completed	Prepare milestone activity list and sprint delivery plan for outline of work flow
8/11	Project Development Phase 1.Sprint-1 2.Sprint-2 3.Sprint-3 4.Sprint-4	Varsha.A Soundarya Lakshmi..A Siva Saraswathi.M Vishali.R.K	In-Progress	Plan of each task sprint to be developed.

