

Project Planing phase
Prepare Milestone and Activity List

Date	31 October 2022
Team ID	PNT2022TMID08273
Project Name	Project- Traffic and Capacity Analytics for Major Ports

DURATION	MILESTONE	ASSIGNEE	STATUS	DESCRIPTION
1 WEEK	Data Collection-Download dataset	A. mahendra reddy k.bhaargav k. brahamaiah m.jai Siva sankar	Completed	The dataset for Traffic and Capacity Analytics is to be collected.The dataset which is considered will have the port information
1 WEEK	Data Pre-processing 1.Renaming the coloumn names 2.Preparing calculations 3.Checking for NULL values 4.Checking for ouliers 5.Summarization of dataset 6.Label Encoding	A. mahendra reddy k.bhaargav k. brahamaiah m.jai Siva sankar	In-Progress	Preprocessing involves renaming the existing coloumn names into meaningful one,preparing calculations such as calculating traffic percent,checking for NULL values in the dataset.
1 WEEK	Visualizing the dataset	A. mahendra reddy k.bhaargav k. brahamaiah m.jai Siva sankar	In-Progress	Visulaizing the dataset involves plotting the dataset using various plots and doing analysis on that.
1 WEEK	Model Building 1. Building the model using suitable machine learning algorithm 2. Training and testing the model	A. mahendra reddy k.bhaargav k. brahamaiah m.jai Siva sankar	In -Progress	Using certain algorithms to build the model. Those algorithms include 1.Linear regression

1 WEEK	Dashboard Creation	A. mahendra reddy k.bhaargav k. brahamaiah m.jai Siva sankar	In-progress	Dashboard for visualizing the port status will be developed.
1 WEEK	Ideation Phase 1. Litreature survey on the selected project and information gathering. 2. Prepare the empathy map. 3. Ideation	A. mahendra reddy k.bhaargav k. brahamaiah m.jai Siva sankar	Completed	Start the ideation process
1 WEEK	Project Design Phase -1 1. Proposed solution. 2. Prepared fit solution 3. Solution Architecture	A. mahendra reddy k.bhaargav k. brahamaiah m.jai Siva sankar	Completed	Prepare the proposed solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution, etc.
1 WEEK	Project Design Phase -2 1. Customer journey. 2. Functional requirements 3. Data flow diagram. 4. Technology architecture	A. mahendra reddy k.bhaargav k. brahamaiah m.jai Siva sankar	Completed	Prepare the customer journey maps to understand the user interactions & experiences with the application (entry to exit) ,Functional requirements and construct architecture
1 WEEK	Project Planning Phase 1.Milestone Activity List 2.Sprint Delivery plan	A. mahendra reddy k.bhaargav k. brahamaiah m.jai Siva sankar	Completed	Prepare milestone activity list and sprint delivery plan for outline of work flow
1 WEEK	Project Development Phase 1.Sprint -1 2.Sprint-2 3.Sprint-3 4.Sprint-4	A. mahendra reddy k.bhaargav k. brahamaiah m.jai Siva sankar	In-Progress	Plan of each task sprint to be developed.