

**PROJECT PLANNING  
MILESTONE AND ACTIVITY LIST**

<b>DATE</b>	<b>29 OCTOBER 2022</b>
<b>TEAM ID</b>	<b>PNT2022TMID18318</b>
<b>PROJECT NAME</b>	<b>Traffic and capacity analysis for major ports</b>

- **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.

**Project Planing phase**  
**Prepare Milestone and Activity List**

DATE	MILESTONE	ASSIGNEE	STATUS	DESCRIPTION
31/08	Data Collection-Download dataset	Gokul Krishnan Deepan chandar Chereddy bala Arla venkat royal	Completed	The dataset for Traffic and Capacity Analytics is to be collected.The dataset which is considered will have the port information
7/09	Data Pre-processing 1.Renaming the coloumn names 2.Preparing calculations 3.Checking for NULL values 4.Checking for ouliers 5.Summarization of dataset	Gokul Krishnan Deepan chandar Chereddy bala Arla venkat royal	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.
14/09	6.Label Encoding Visualizing the dataset	Gokul Krishnan Deepan chandar Chereddy bala Arla venkat royal	In-Progress	Visulaizing the dataset involves plotting the dataset using various plots and doing analysis on that.
21/09	Model Building 1.Building the model using suitable machine learning algorithm 2.Training and testing the model	Gokul Krishnan Deepan chandar Chereddy bala Arla venkat royal	In -Progress	Using certain algorithms to build the model. Those algorithms include 1.Linear regression

28/09	Dashboard Creation	Gokul Krishnan Deepan chandar Arla venkat royal	In-progress	Dashboard for visualizing the port status will be developed.
7/10	Ideation Phase 1. Litreature survey on the selected project and information gathering. 2. Prepare the empathy map. 3. Ideation	Gokul Krishnan Deepan chandar Arla venkat royal	Completed	Start the ideation process
10/10	Project Design Phase -1 1. Proposed solution. 2. Prepared fit solution 3. Solution Architecture	Gokul Krishnan Deepan chandar Chereddy bala Arla venkat royal	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. 2. Functional requirements 3. Data flow diagram. 4. Technology architecture	Gokul Krishnan Deepan chandar Chereddy bala Arla venkat royal	Completed	Prepare the customer journey maps to understand the user interactions & experiences with the application (entry to exit) ,Functional requirements and construct architecture
31/10	Project Planning Phase 1.Milestone Activity List 2.Sprint Delivery plan	Gokul krishnan Deepan chandar	Completed	Prepare milestone activity list and sprint delivery plan for outline of work flow
02/11	Project Development Phase 1.Sprint -1 2.Sprint-2 3.Sprint-3 4.Sprint-4	Arla Venkat royal Chereddy bala venkat krishnan reddy	In-Progress	Plan of each task sprint to be developed.

Milestone 1  
31/08

Milestone 3  
14/9

Milestone 5  
28/09

Milestone 7  
10/10

Milestone 9  
31/10

Project  
Complete  
05/11

Milestone 2  
07/09

Milestone 4  
21/9

Milestone 6  
7/10

Milestone 8  
12/10

Milestone 10  
02/11

