Project Planing phase

Prepare Milestone and Activity List

Date	31 October 2022
Team ID	PNT2022TMID00498
Project Name	Project- Traffic and Capacity Analytics for Major Ports

DURATION	MILESTONE	ASSIGNEE	STATUS	DESCRIPTION
1 WEEK	Data Collection-Download dataset	Nalinisri SB Mythreyee A Pavithra M LakshmiPrabha K	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	Nalinisri SB Mythreyee A Pavithra M LakshmiPrabha K	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	Mythreyee A Pavithra M LakshmiPrabha K Nalinisri SB	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	Mythreyee A Pavithra M LakshmiPrabha K Nalinisri SB	In -Progress	Using certain algorithms to build the model. Those algorithms include 1.Linear regression

1 WEEK	Dashboard Creation	Mythreyee A Pavithra M LakshmiPrabha K Nalinisri SB	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	Mythreyee A Pavithra M LakshmiPrabha K Nalinisri SB	Completed	Start the ideation process
1 WEEK	Project Design Phase -1 1. Proposed solution. 2. Prepared fit solution 3. Solution Architecture	Mythreyee A Pavithra M LakshmiPrabha K Nalinisri SB	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	Mythreyee A Pavithra M LakshmiPrabha K Nalinisri SB	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	Mythreyee A Pavithra M LakshmiPrabha K Nalinisri SB	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	Mythreyee A Pavithra M LakshmiPrabha K Nalinisri SB	In-Progress	Plan of each task sprint to be developed.