TRAFFIC CAPACITY ANALYTICS FOR MAJOR PORTS

Project Flow

Traffic and Capacity Analytics For Major Ports

1. Solution Requirements
   a) Project Objectives
   b) Project Flow
2. IBM Cloud
   a) Create and Login to IBM Account
   b) Preparing the Dataset
   c) Loading the Dataset
   d) Prepare Calculations
3. Data Visualization Charts
   a) Line chart
   b) Column Chart
   c) Staked Column Chart
   d) Area Chart
   e) Stacked Bar
   f) Filter
   g) Map
4. Ideation Phase
   a) Literature Survey
   b) Prepare Empathy Map
   c) Ideation
5. Project Design Phase-I
   a) Proposed Solution
   b) Empathy Map
   c) Ideation
6. Project Design Phase-II
   a) Customer Journey
   b) Functional Requirement
   c) Data Flow Diagram
   d) Technical Architecture
7. Project Planning Phase
   a) Milestone & Activity List
   b) Sprint Delivery Plan
8. Project Development Phase
   a) Sprint1 – Data pre-processing for port statistics
   b) Sprint2 – Data visualization
   c) Sprint3 – Model building for congestion prediction
   d) Sprint4 – Final dashboard creation