

Project Design Phase-I
Proposed Solution

Date	28 September 2022
Team ID	PNT2022TMID18520
Project Name	Project – Traffic and capacity analytics for major ports
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Improving port connectivity and reducing the congestion on the rail corridors using Data Analytics.
2.	Idea / Solution description	The Indian Railways has a capital base of about Rs. 1 lakh crores and is often referred to as the lifeline of the Indian economy because of its predominance in the transportation of bulk freight and long-distance passenger traffic.
3.	Novelty / Uniqueness	Traffic survey and assessment of traffic volumes identification of technically and economically viable route /Alignment
4.	Social Impact / Customer Satisfaction	Adequate resources will be provided. India's electrical crisis 86% of the open wages on the railway are used to deliver poles to different power plants in India. An appropriate supply of resources will be made available to prevent power outages.
5.	Business Model (Revenue Model)	Railway ports provide for the tracking of the flow of commodities being transferred from one location to another. Government can ensure reduced traffic on the ports by using a data analytics dashboard.
6.	Scalability of the Solution	With the establishment of the railway as a development effort and the use of data analytics, the Indian economy has moved into a high growth zone.