

Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID12562
Project Name	Project - Traffic and Capacity Analytics for Major Ports
Maximum Marks	2 Marks

Team Members:

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Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No:	Parameter	Description
1.	Problem Statement (Problem to be solved)	The Indian Railways has a capital base of about 1 lakhs crore and is often referred to as the lifeline of the Indian economy. As it includes transportation of bulk freight and long-distance passengers, traffic and congestion on rail corridors become a major challenge.
2.	Idea / Solution description	Data analytics can be applied to visualize freight transportation and congestion on rail corridors across major railway ports to get better insight of the working of port network and to improve the port connectivity.
3.	Novelty / Uniqueness	Can also predict the time at which the particular train will arrive and depart.
4.	Social Impact / Customer Satisfaction	Adequate resources will be provided for the customers regarding the arrival, departure and delay of the trains.
5.	Business Model (Revenue Model)	Businesses using railway ports can easily track the trains. Government can use data analytics dashboard to ensure less traffic on the ports.
6.	Scalability of the Solution	The solution can be used almost for all modes of transportation including the ships and so on. Thus it is scalable for almost all modes of transportation.