# Project Design Phase-I
# Proposed Solution Template

| Date | 19 September 2022 |
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| Team ID | PNT2022TMID36465 |
| Project Name | Traffic and capacity analytics for major ports |
| Maximum Marks | 2 Marks |

## 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) | Major drawback of rail freight is non-optimized rail routes which affects the economy of rail freight Most of the customers need to know routes that is most efficient and cost friendly and increases the rail freight usage. |
| 2. | Idea / Solution description | Smart ports are an effective solution to increase the network capacity and frequency of the rail freight.Properloading and deloading of freights with IOT aide can influence the rail freight with safe transportation and build trust on people to increase use of rail freight. |
| 3. | Novelty / Uniqueness | Rail has lower fuel costs compared to road transport,especially when shipping a high voume of freight.Rail has also has less costs associated with drivers and typically has better costs for drop trailer programs. |

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| 4. | Social Impact / Customer Satisfaction | Major concern of small scale users of rail freights is the safety of goods.Large scale industry user often transport raw materials in large quantities.Improvised IOT influenced tracking of goods increase customer satisfaction. |
| 5. | Business Model (Revenue Model) | The railway has been in efforts to introduce services like metros,regional rail transport,planned high speed services,frills and improving railway freight business |
| 6. | Scalability of the Solution | Auctioning unattended goods is the best option yet a proper proceducer should be followed. Senders of the goods must be contacted in every way possible before aution which includes emails,letters throught post and cells. |