

**Project design phase - i**  
**Proposed solution template**

Date	19 september 2022
Team id	Pnt2022tmid17447
Project name	Trsfic and capacity analytics for major ports
Maximum marks	2 mark

Proposed solution template :

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

S.no	Parameter	Deserption
1	Problem satement (problem to be solved)	post-panamax shipping. the expansion of the panama canal to accommodate larger oceangoing vessels,called post-panamax ships, was completed. .... congestion. .... container management .... workforce development. .... environmental sustainability. ... economic trend. .... climate adaptation / resilience .
2	Ideam / solution description	mechanization of the ports by way of use of latest version of crane and other equipment/techniques for quicker turnaround of cargo
3	Novelty / uniqueness	cargo traffic at major ports and non-major ports in india (mt).authors'creation based on port data management portal,ministry of ports, shipping &waterways,government of india,new delhi ( 2021 ) and port sector update , CARE rating, mumbai (2021) .FY refers to india financial year ( april-march) and FY2021T* for major ports and non-major ports refers to april-november 2020 and april-october 2020,respectively.
4	Social impact / customer satisfaction	the result of this study provide evidence that logistic service quality affect customer retention and customer . further results

**Project design phase - i**  
**Proposed solution template**

		show that dissatisfied customers will significantly reduce customer retention with a statistical value of 2.754.
5	Business model ( revenue model)	shanghai port. the shanghai port tops the busiest ports in the world in 2022.... singapore port.... port of ninghbo , china..... shenzhen port. .. port of guanzhou, china. ... port of busan port of qingdao, china. ... port of hong kong .
6	Scalability of the solution	scalability is the ability of a system to grow to meet a company's business needs. it is the ease with which the supply of a product service or process can be expanded to meet changing levels of demand .