Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	03 October 2022
Team ID	PNT2022TMID36465
Project Name	Traffic and capacity analytics for major ports
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Warehouse Management System(WHS)	Location confirmation(GPS), Access through databases
FR-4	Tranport Management System(TMS)	Freight routes Access, Maps, GPS monitoring of goods
FR-5	Contact for Unattended Goods	Contact details, Email confirmation, Location(Address) confirmation, Phone number confirmation.
FR-6	Payment	Payment Options like Netbanking, UPI, Credit/Debit Cards.

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Basic knowledge about smartphones and Logistics knowledge for choosing optimized routes and packages.
NFR-2	**Security**	Payments are secure with SSL encryption, User information and Contact details are also encrypted and stored safe.
NFR-3	**Reliability**	Highly Reliable when compared to a customer's direct interaction with freight forwarder system.
NFR-4	**Performance**	Performance growth is still under way as lot of customers don't have access to a government authorized logistics service.
NFR-5	**Availability**	Logistic forwarder system with tracking and auctioning adds more performance and increases the availability of the product.
NFR-6	**Scalability**	Can be scaled across different countries and different freight forwarder schemes as the basic schema is generalized.