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

Date	4 September 2022
Team ID	PNT2022TMID13629
Project Name	Project - 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	User Input Acceptance	The dashboard accepts user Input by means of selecting the location of the ports.
FR-4	Options for user to filter location of ports	The user can use filter options to view ports by countries.
FR-5	Visualization of ports	The dashboard provides various visualization techniques to understand the flow.
FR-6	Providing Delay Information of trains.	The dashboard is able to provide the user the information like delay of a particular train to the ports.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The user can constantly use the dashboard without any flaw in the visual quality. How easy it must be to learn and how efficient it must be for carrying out user tasks.
NFR-2	**Security**	**The security and law enforcement measures employed to safeguard a shipping port from terrorism and other unlawful activities and activists**. The dashboard is much secured that the data of the users are kept confidential.

NFR-3	**Reliability**	This makes the dashboard much reliable. The failure rate is minimal and the failure can easily be rectified using the measures
NFR-4	**Performance**	It provides the user a convenient and flexible user interface.
NFR-5	**Availability**	The user can access the dashboard any time anywhere.
NFR-6	**Scalability**	It can withstand any increase or decrease of loads.It is scalable.