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

Date	1 November 2022
Team ID	PNT2022TMID18520
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
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 offers a number of visualisation methods to follow the flow.
FR-6	Providing Delay Information of trains.	The dashboard can give the user information such as the delay of a specific train reaching 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 dashboard's visual quality is faultless and the user can utilise it continuously. Users can get the consistency and style they want from the dashboard.
NFR-2	**Security**	The dashboard is well protected so that user data is kept private and it is also impervious to all types of attacks.
NFR-3	**Reliability**	The failure rate is quite small, and employing the measures, any failure may be quickly fixed. As a result, the dashboard is now significantly more trustworthy.
NFR-4	**Performance**	The performance is enhanced by the dashboard. It provides the user a simple and adaptable User Interface.
NFR-5	**Availability**	The dashboard is constantly accessible to users. The dashboard is made available so that the user can view it from any location at any time.
NFR-6	**Scalability**	The dashboard can be expanded greatly. It is capable of enduring any change in load.