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

Date	03 October 2022
Team ID	PNT2022TMID16862
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
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 dashboard is able to provide the users the consistency and the aesthetic they expect. The user can constantly use the dashboard without any flaw in the visual quality.
NFR-2	Security	The dashboard is much secured that the data of the users are kept confidential and also it is not prone to any kind of attacks.
NFR-3	Reliability	The failure rate is minimal and the failure can easily be rectified using the measures. Thus this makes the dashboard much reliable.
NFR-4	Performance	The dashboard gives better performance. It provides the user a convenient and flexible User Interface.
NFR-5	Availability	The dashboard is always available to serve the users. The availability is ensured in such a way that the user can access the dashboard any time anywhere.

NFR-6	**Scalability**		The dashboard is highly scalable. It can withstand any increase or decrease of loads.

TEAM MEMBERS:

VARSHA.A (192071107)

SOUNDARYA LAKSHMI.A (192071089)

SIVA SARASWATHI.M (192071088)

VISHALI.R.K (192071115)