

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

Date	17.10.2022
Team ID	PNT2022TMID17447
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 dashboard is able to provide the user the consistency and the aesthetic they expect.The user can constantly use the dashboard without any flow 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.