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

Date	06 October 2022
Team ID	PNT2022TMID05549
Project Name	Project – Traffic and Capacity Analytics in
	Major Ports
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR	Functional Requirement	Sub Requirement
No.	(Epic)	(Story / Sub-Task)
FR-1	User Registration	Registration through Form
		Registration through Gmail
		Registration through
		LinkedIN
FR-2	User Confirmation	Confirmation via Email
FR-3	User Input Acceptance	The dashboard accepts user input by means
		ofselecting the location of the ports.
FR-4	Options for User to filter	The user can use filter options to view
	location of ports	ports bycountries.
FR-5	Visualization of ports.	The dashboard provides various
		visualization techniques to understand
		the flow.
FR-6	Providing Delay	The dashboard is able to provide the user the
	Information of trains.	information like delay of a particular train to
		the ports.

Non-functional Requirements:

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

FR	Non-Functional	Description
No.	Requirement	
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:

SYEDAKKEAL JUNIATH S A (921319205154) SAKTHI GANESH R (921319205116) SUBRAMANIAN P (921319205141) SUNDHARESHWAR V (921319205145)