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

Date	03 October 2022
Team ID	PNT2022TMID52841
Project Name	Project – Web Phishing Detection
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 Registration through Mobile Number
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Website Comparison	Blacklist filtering and Whitelist filtering techniques are used to compare the website URL.
FR-4	Feature Selection	Based on the length of an URL, number of dots in URL and check for the correct spelling and grammar.
FR-5	Feature Vectorization	Training and Testing dataset should be developed.
FR-6	Prediction	Model predicts the URL using Machine Learning Algorithms.
FR-7	Classifier	Send all the output to the classifier and produces the final output results.
FR-8	Detection	The model developed should have the capability to retrieve and display the correct accuracy of the website.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The user should have the full access to login into website without asking the personal details like password, credit card and debit card number.
NFR-2	**Security**	To find that whether the particular website is secure or not we can either send a mail or we can either notify it by showing a warning message while using the websites.
NFR-3	**Reliability**	The website should be more trustworthy to the user when they are using it.
NFR-4	**Performance**	The performance of the website is mainly based on the how quickly the site content loads and displays the screen and how well it responds to the user interaction.
NFR-5	**Availability**	The website should be available to all the users to access the resources.
NFR-6	**Scalability**	The website should be able to handle the large number of users at a same time without getting hanged or disrupting the users.