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

Date	16 October 2022
Team ID	PNT2022TMID35524
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 Google and Email
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Input	User enters the suspicious URL in required field for validation
FR-4	URL Processing	By using appropriate machine learning algorithms and the the dataset, the model will process the new input
FR-5	Classification	The URL will be identified as Malicious or not
FR-6	Result	Result predicted by the model is displayed to the user will be cautioned about the website and the next steps to take if the URL turns out to be malicious

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	With an efficient, hassle-free, user friendly UI, users will not have difficulty in using the solution and navigating through the system
NFR-2	**Security**	Using Google authentication which automatically provides multi factor authentication and also authentication through email
NFR-3	**Reliability**	Probability of failure free operations in the specified environment of usage
NFR-4	**Performance**	The performance should be faster and user friendly for efficiency and effectivity
NFR-5	**Availability**	The model should be available for use always, it can be exported to users and can be run in the local machine
NFR-6	**Scalability**	This can be developed into an API which can be incorporated by others who can make use of it