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

Date	03 October 2022
Team ID	PNT2022TMID21424
Project Name	Project – Detection of Phishing Websites
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	Registration (user's)	Manual registration (typing in the required details)
FR-2	Login	Successful Login with the registered e-mail Id and chosen password
FR-3	Creating a model	Model & train a ML algorithm to detect the phishing websites and compare them.
FR-4	Validation of the URL	URL in checked with the blacklisted set of URL's
FR-5	Integration	Flask is employed in the integration of front end & back end
FR-6	Ensure security	Notify the user through email or phone regarding the malicious website.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	All URL's must be taken in by the tool for detection
NFR-2	**Security**	Security is ensured by alerting the user if any malicious link is detected
NFR-3	**Reliability**	The results provided by the tool must be of high efficiency
NFR-4	**Performance**	The tool created should be of high accuracy.
NFR-5	**Availability**	The tool must be readily available for the users to make use of it .
NFR-6	**Scalability**	Should be able to operate on a large scale