

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

Date	16 October 2022
Team ID	PNT2022TMID44074
Project Name	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
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	Login to the portal
FR-4	Search for phishing data of the user	Basic credentials of the user
FR-5	Interface response	Prediction of data leakage
FR-6	Security measures	Recover the data that was leaked

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	It can be used for different attributes.
NFR-2	Security	Security questions will need to be setup when a user registers as a user. Security questions will need to be answered when a user forgets their password. The system will have a number of unique users and each user has access constraints
NFR-3	Reliability	Phishing websites can be detected with 97.95% accuracy using a Light GBM classifier and the

		complete set of the 54 features selected, when it was evaluated on PILWD dataset.
NFR-4	<b>Performance</b>	The system should be fast and accurate. The system will handle expected and non-expected errors in a manner that will prevent information loss and long downtime periods.
NFR-5	<b>Availability</b>	It is available to all end users
NFR-6	<b>Scalability</b>	It can hold requests of more than 500 at a time.