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

DATE	15 OCTOBER 2022
TEAM ID	PNT2022TMID15373
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 Input	User inputs an URL in required field to checkits validation.
FR-2	Website Comparison	Model compares the websites using Blacklistand Whitelist approach.
FR-3	Feature extraction	After comparing, if none found on comparison then it extracts feature using heuristic and visualsimilarity approach.
FR-4	Prediction	Model predicts the URL using Machine Learning algorithms such as Logistic Regression, KNN
FR-5	Classifier	Model sends all output to classifier and produces final result.
FR-6	Announcement	Model then displays whether website is a legalsite or a phishing site.
FR-7	Events	This model needs the capability of retrievingand displaying accurate result for a website

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Analysis of consumers' product usability in the design process with user experience as the core may certainly help designers better grasp users' prospective demands in web phishing detection, behaviour, and experience.
NFR-2	**Security**	It guarantees that any data included within the system or its components will be safe from malware threats or unauthorised access. If you wish to prevent unauthorised access to the admin panel, describe the login flow and different user roles as system behaviour or user actions.
NFR-3	**Reliability**	It specifies the likelihood that the system or its component will operate without failure for a specified amount of time under prescribed conditions.
NFR-4	**Performance**	It is concerned with a measurement of the system's reaction time under various load circumstances.
NFR-5	**Availability**	It represents the likelihood that a user will be able to access the system at a certain moment in time. While it can be represented as an expected proportion of successful requests, it can also be defined as a percentage of time the system is operational within a certain time period.
NFR-6	**Scalability**	It has access to the highest workloads that will allow the system to satisfy the performance criteria. There are two techniques to enable the system to grow as workloads increase: Vertical and horizontal scaling.