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

Date	10 October 2022
Team ID	PNT2022TMID23940
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 Input	User can enter the URL in respective area to verify its genuinity
FR-2	Detection tool comparison	Model checks and verify the websites using Machine learning algorithm
FR-3	Features Extraction	After using the Algorithm, it found whether the website is legitimate website or Phishing website
FR-4	Prediction	Model predicts the URL using Machine Learning Algorithms such as • Logistic Regression • Random Forest Regression / Classification • Decision Tree Regression / Classification • K-Nearest Neighbors • Support Vector Machine
FR-5	Results	Model send all the output to the classifier to produce the Final result
FR-6	Actions	This Model displays the malicious sites with accuracy and reliability

Non-Functional Requirements:

Following are the Non-Functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	User can experience user-friendly environment to explore everything
NFR-2	**Security**	User can work without fear about the Security
NFR-3	**Reliability**	It can be accuracy because of Machine learning
NFR-4	**Performance**	It can be performed efficiently by detecting those attacks and vulnerability
NFR-5	**Availability**	It may be working in expected outcomes
NFR-6	**Scalability**	There is a number of testing and number of parameters, thus creates scalability for user