

## Project Design Phase-II

### Solution Requirements (Functional & Non-Functional)

<b>Date</b>	19 october 2022
<b>Team ID</b>	PNT2022TMID24960
<b>Project Name</b>	Web Phishing Detection
<b>Maximum Mark</b>	4 Marks

#### Functional Requirements:

Following are the functional requirements of the proposed solution.

<b>FR NO.</b>	<b>Functional Requirement (EPIC)</b>	<b>Sub Requirement(Story / Sub-Task)</b>
<b>FR-1</b>	User Registration	Registration through email Registration through form
<b>FR-2</b>	User Confirmation	Confirmation via Email Confirmation via OTP
<b>FR-3</b>	Permissions	Location, Storage, Contacts
<b>FR-4</b>	Website Identification	Model Detects the malicious website using Malicious url,
<b>FR-5</b>	Prediction	Model Predicts the URL using Machine Learning algorithms such as Regression, KNN, Decision Tree.

<b>FR NO.</b>	<b>Functional Requirement(EPIC)</b>	<b>Sub Requirement(Story / Sub-Task)</b>
<b>FR-6</b>	Classifier	Model predicts all the output to classifier and produces the final result.
<b>FR-7</b>	Results	Model predict the website and give pop-up to the user before they enter any confidential details.

## Non-functional Requirements:

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

<b>NFR NO.</b>	<b>Non-Functional Requirements</b>	<b>Description</b>
<b>NFR-1</b>	<b>Usability</b>	User can access to several website easily using web phishing detection without loosing any data
<b>NFR-2</b>	<b>Accuracy</b>	It is giving a 98% accuracy to predict the web phishing detection.
<b>NFR-3</b>	<b>Reliability</b>	User should feel it reliable while using any website
<b>NFR-4</b>	<b>Performance</b>	The performance should be faster and user friendly for the effective performance
<b>NFR-5</b>	<b>Availability</b>	The user should get availability to access the resources must be valid and reliable
<b>NFR-6</b>	<b>Scalability</b>	The performance of the website should be efficient to handle the increasing user and loads without any disturbance.
<b>NFR-7</b>	<b>Security</b>	User can check whether the websites are secure or not by getting pop-up message.