

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

Date	03 October 2022
Team ID	PNT2022TMID33764
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 Registration	Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	Login using the credentials used in the registration
FR-4	User Input	User enters the URL as input for validation
FR-5	Validation	The model validates the entered URL and detects whether it is a phishing website or not. If it is a phishing website, the model will alert the user through pop up message.
FR-6	Software requirements	Windows OS Python Jupyter Notebook Visual Studio Code
FR-7	Hardware requirements	Minimum 2GB RAM Internet Connectivity

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	This system is very useful for every user. Using the login credentials of the user, the user can check whether the website is malicious or not. By using this system every user can easily find out the phishing websites.
NFR-2	<b>Security</b>	This system is more secure as the hackers can't hack this system. This system ensures the security of the personal information of the users.
NFR-3	<b>Reliability</b>	This system is more reliable as it ensures the correct detection of fake websites.
NFR-4	<b>Performance</b>	The performance accuracy is high in this system. It is more efficient as it is well trained and tested.

NFR-5	<b>Availability</b>	This system would be available at anytime as per the user requirements and it can be accessible in every devices such as mobile, laptop, etc.
NFR-6	<b>Scalability</b>	This system would be periodically monitored and it provides faster results.