Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	27 October 2022
Team ID	PNT2022TMID18067
Project Name	Web Phishing Detection

Technical Architecture:

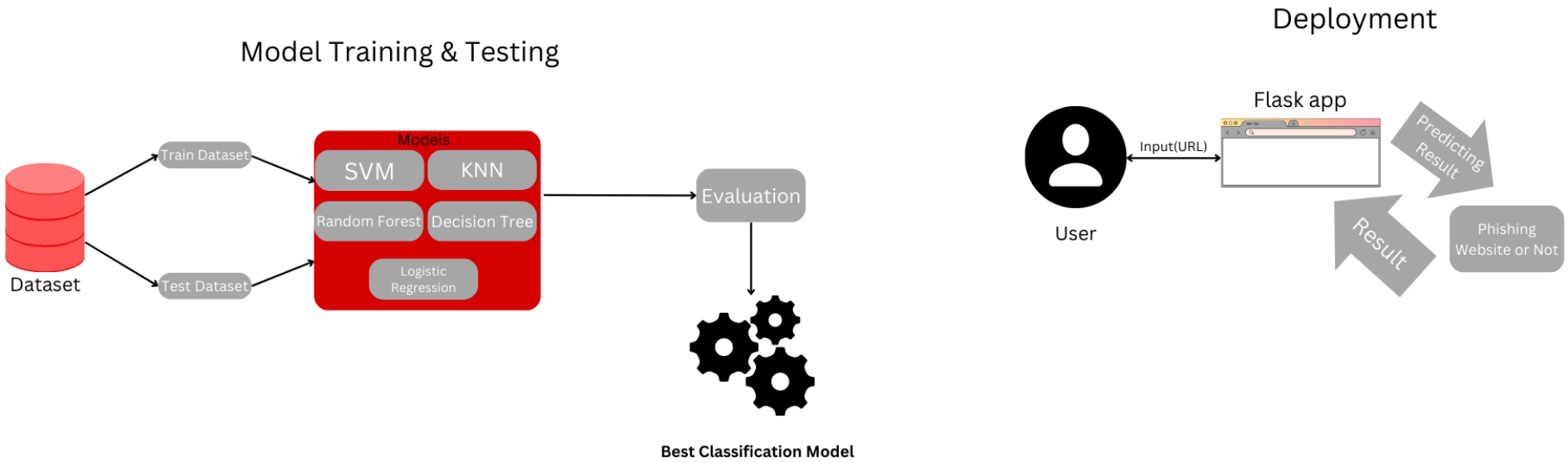

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Interface through which the user interacts with application.	Python/Flask
2.	Application Logic-1	The system is trained in such a way that it solves queries related to Phishing website.	Python
3.	Application Logic-2	The system find the phishing site	Python
4.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant.
5.	Machine Learning Model	Machine Learning Model help in the process of predicting the phishing website.	Artificial Intelligence.
6.	Infrastructure (Server / Cloud)	Model would be integrated to a flask web page and deployed on a Cloud Server	Local, IBM Cloud

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	The proposed model is incorporated with Flask which is an open-source framework used for developing web application using python.	Flask
2.	Security Implementations	IBM Cloud encrypts the data in database and storage services with built-in encryption. The user data is always secure because it will alert the user ,if it is a phished website.	IBM Cloud
3.	Scalable Architecture	Model can be enhanced by building it with website url features like ip address, url length…	ML
4.	Availability	The Web Detection is made available 24*7	UI
5.	Performance	The Model provides Users with fast and accurate answers across any website. It resolve the fraudulence in websites.	ML