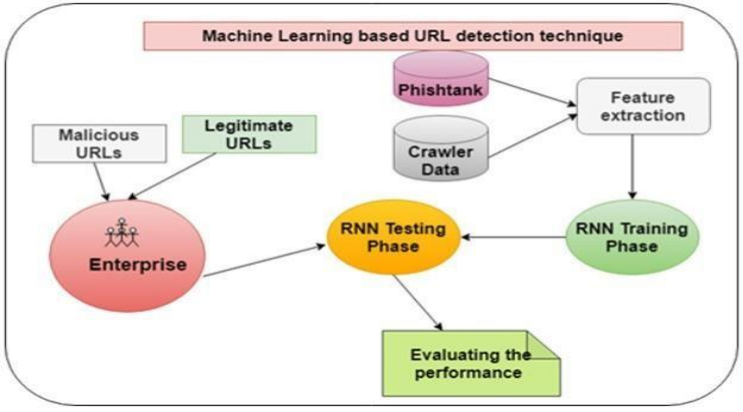
Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	01 October 2022
Team ID	PNT2022TMID22732
Project Name	Web Phishing Detection
Maximum Marks	4 Marks

Technical Architecture for the model:



The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

Table-1 : Components & Technologies:

S.No	Component	Description	Technology

1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript
2.	Application Logic for logic	Logic for a process in the application	Flask login(Python)
3.	Cloud Database	Database Service on Cloud	IBM Watson
4.	File Storage	File storage requirements	MongoDB
5.	Machine Learning Model	Purpose of Machine Learning Model	Logistic Regression,Decision Tree
6.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Local, Render, IBM Cloud

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Sckit Learn package in Python that deals with ML algorithms	Machine Learning
2.	Security Implementations	Typosquatting, Cybersquatting	Cybersecurity
3.	Scalable Architecture	Justify the scalability of architecture (3 – tier, Micro-services)	Technology used
4.	Availability	It can balance the load traffic among the servers to help improve uptime. Can scale applications by adding or removing servers, with minimal disruption to traffic flows.	IBM Cloud Load Balancers
5.	Performance	It provides performance feedback such as page size and how long it takes to load a page, and can show the impact new features have on the performance of the site.	Blacklists/whitelists, Natural language Processing, Visual similarity, rules, machine learning techniques, etc