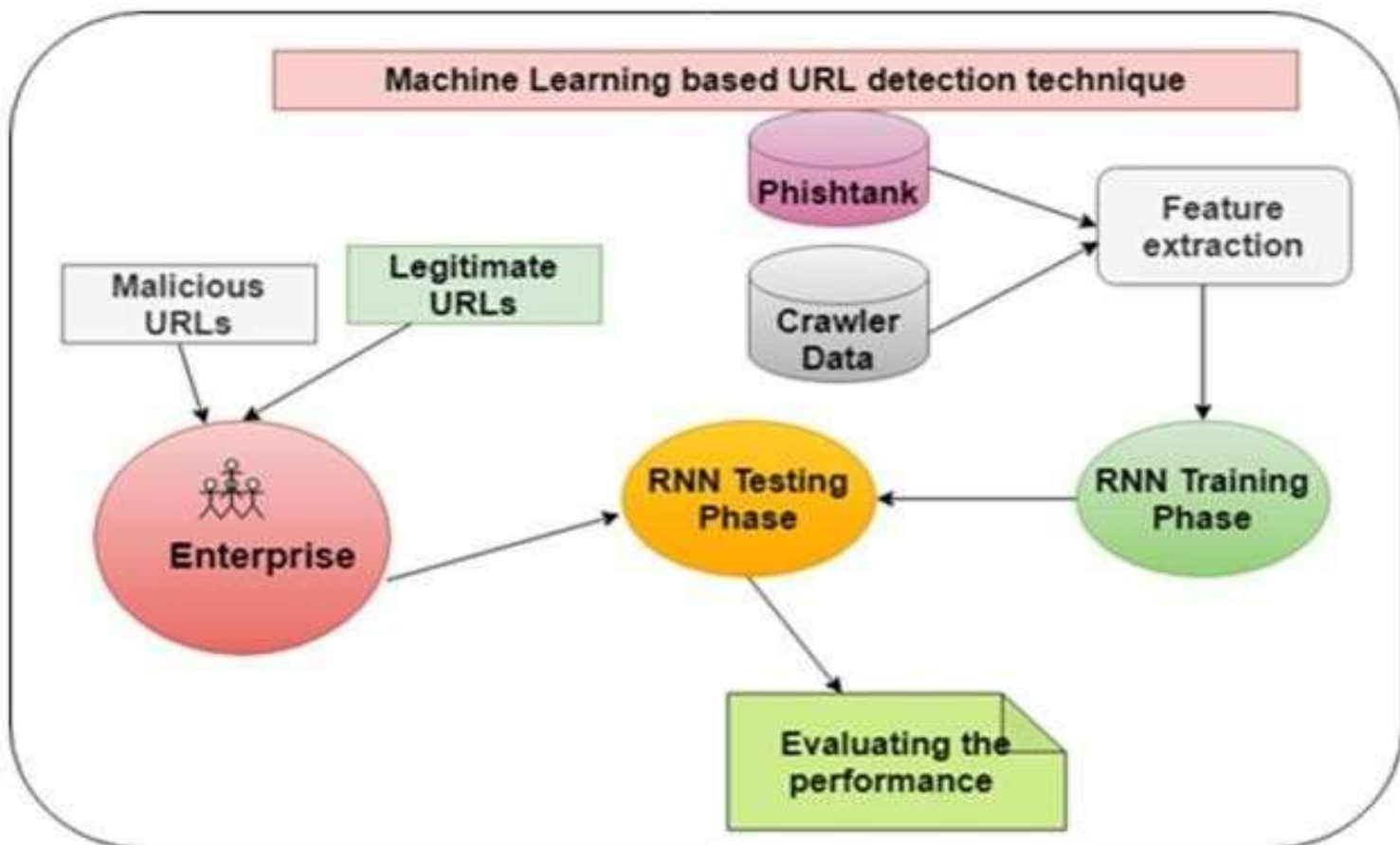


## Project Design Phase-II Technology Architecture

|              |                        |
|--------------|------------------------|
| Team ID      | PNT2022TMID50410       |
| Project Name | Web Phishing Detection |

### 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  | Mongo DB                           |
| 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  | Scikit learn package in python that deals with ML algorithms  | Machine learning  |
| 2.   | Security implementation | Typosquatting, Cybersquatting   | Cyber security  |
| 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 up time. Can scale applications by adding or removing servers with minimal distribution to traffic flows. | IBM Cloud Load Balancers  |
| 5.   | Performance             | It provides performance feedback such as page size and how long it takes to load 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. |