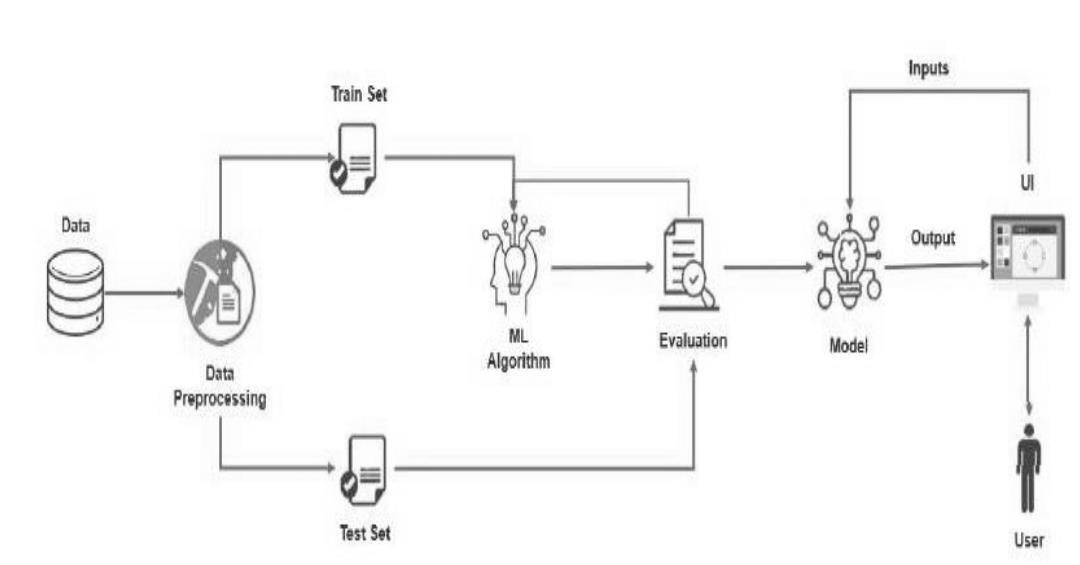
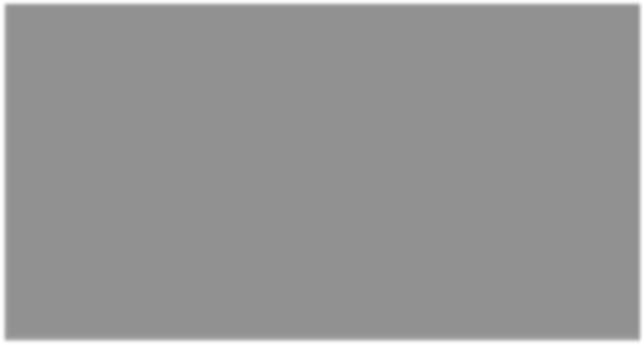
**Project Design Phase-II**

**Technology Stack (Architecture & Stack)**

|  |  |
| --- | --- |
| Date | 12 November 2022 |
| Team ID | PNT2022TMID48697 |
| Project Name | Project – Web Phishing Detection |
| Maximum Marks | 4 Marks |

**Technical Architecture:**

The Deliverable shall include the architectural diagram as below and the information as per the table.



**Table : Components & Technologies:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Component** | **Description** | **Technology** |
|  | User Interface | User Interact with application(Phishing site) through mobile and Website. | HTML, CSS, JavaScript / React Js |
|  | Application Logic-1 | User Login to the webpage & paste the URL. | Python, Javascript, etc., |
|  | Application Logic-2 | Data Preprocessed and extracts the URL from the webpage. | IBM Cloud |
|  | Application Logic-3 | ML Algorithm classifies and extracts the URL Phishing prediction for if its legitimate or Phishing. | IBM Cloud |
|  | Database | Data Type, Configurations etc. | MySQL, NoSQL, etc. |
|  | Cloud Database | Database Service on Cloud | IBM Cloud etc,. |
|  | File Storage | File storage requirements to store the datasets. | IBM Block Storage or Other Storage Service or Local Filesystem |
|  | External API | Importing the respective libraries and frameworks server and user interface purpose | Flask API, etc. |
|  | Machine Learning Model | Train the dataset on the Machine Learing Model with IBM Cloud such as Logistic Regression etc., | Object Recognition Model, etc. |
|  | Infrastructure (Server / Cloud) | Application Deployment on Local System / Cloud  Local Server Configuration:  Cloud Server Configuration : | Local, Cloud Foundry, Kubernetes, etc. |