**Project Design Phase-II**

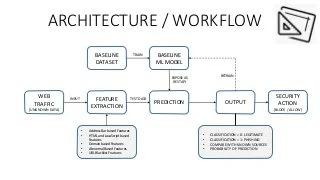
**Technology Stack (Architecture & Stack)**

| Date | 16 October 2022 |
| --- | --- |
| Team ID | PNT2022TMID44089 |
| Project Name | Web Phishing Detection |
| Maximum Marks | 4 Marks |

**Technical Architecture:**

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





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**Table-1 : Components & Technologies:**

| **S.No** | **Component** | **Description** | **Technology** |
| --- | --- | --- | --- |
|  | User Interface | Website-web page | HTML, CSS, JavaScript |
|  | Application Logic-1 | Identify the phishing sites similar to original | Python |
|  | Application Logic-2 | Phishing detection | IBM Watson STT service |
|  | Application Logic-3 | Recovering the data which were leaked | IBM Watson Assistant |
|  | Database | Dataset | MySQL |
|  | Cloud Database | Database Service on Cloud | IBM DB2 |
|  | File Storage | File storage requirements | IBM Block Storage |
|  | External API-1 | To create user friendly interface | APP |
|  | External API-2 | Flash App | App |
|  | Machine Learning Model | Purpose of Machine Learning Model | Identifying the phishing sites |
|  | Infrastructure (Server / Cloud) | Application Deployment on Local System / Cloud  Local Server Configuration:IBM cloud  Cloud Server Configuration : | Local, Cloud Foundry, Kubernetes, etc. |

**Table-2: Application Characteristics:**

| **S.No** | **Characteristics** | **Description** | **Technology** |
| --- | --- | --- | --- |
|  | Open-Source Frameworks | Open Source with many features | HTML |
|  | Security Implementations | Usage of firewalls in the login and identification system is integrated | Encryption and firewall |
|  | Scalable Architecture | Justify the scalability of architecture | Python and cloud |
|  | Availability | It is used by various people at a time. | CDMA |
|  | Performance | Effective identification of phishing parameters | Machine Learning |