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

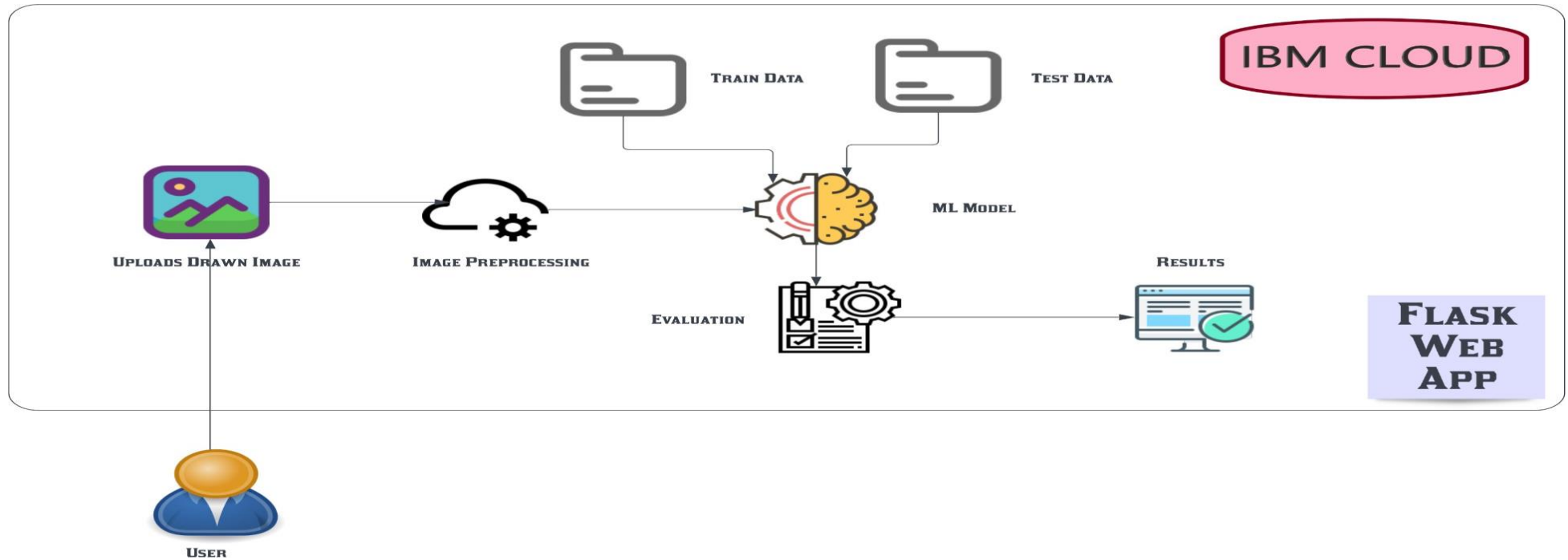| Date | 03 November 2022 |
|---|---|
| Team ID | PNT2022TMID04005 |
| Project Name | Detecting Parkinson's Disease using Machine Learning |
| Maximum Marks | 4 Marks |

**Technical Architecture:**

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

| S.No | Component | Description | Technology |
|------|-----------|-------------|------------|
| 1. | User Interface | Web UI | HTML, CSS, JavaScript |
| 2. | Application Logic-1 | Uploading hand drawn image | HTML, JavaScript |
| 3. | Application Logic-2 | Image processing and detection | Python |
| 4. | Application Logic-3 | Showing Results | HTML, JavaScript |
| 5. | File Storage | File storage requirements | IBM Block Storage |
| 6. | Machine Learning Model | Detecting Parkinson's disease | Parkinson's detection |
| 7. | Infrastructure (Server / Cloud) | Application Deployment on IBM Cloud | Cloud |

**Table-2: Application Characteristics:**

| S.No | Characteristics | Description | Technology |
|------|-----------------|-------------|------------|
| 1. | Open-Source Frameworks | Flask - Backend Framework | Python |
| 3. | Scalable Architecture | 3-Tire Application | Flask, HTML, CSS, Java |

| S.No | Characteristics | Description | Technology |
|------|-----------------|-------------|------------|
| 4. | Availability | Throughout | IBM Cloud |
| 5. | Performance | Handled by IBM Cloud | IBM Cloud |