Project Design Phase-II

Solution Requirements (Functional & Non-functional)

|  |  |
| --- | --- |
| Date | 15 October 2022 |
| Team ID | PNT2022TMID51330 |
| Project Name | Digital Naturalist - AI Enabled tool for Biodiversity Researchers |
| Maximum Marks | 4 Marks |

# Functional Requirements:

Following are the functional requirements of the proposed solution.

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | Accessing Dashboard | The option for uploading or taking live photo is  displayed. |
| FR-2 | Upload an image/Live capturing | Choose the image from file explorer  Camera enabled devices support live capturing . |
| FR-3 | Predict | Recognition of species from the uploaded photo |
| FR-4 | Displaying Result | The name of the species will be displayed. |

# Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | Effectiveness, efficiency and overall satisfaction of the user while interacting with our application.  It should be a GUI interface which should be easy to use. |
| NFR-2 | **Security** | Authentication, authorization, encryption of the application provided by IBM cloud. |
| NFR-3 | **Reliability** | The system must perform without failure for most of the time. |
| NFR-4 | **Performance** | How the application is functioning and how responsive the application is to the end-users depending on the performance of IBM cloud platform. |
| NFR-5 | **Availability** | Without near 100% availability, application reliability  and the user satisfaction will affect the solution. |
| NFR-6 | **Scalability** | Capacity of the application to handle growth, especially in handling more users. |