Project Design Phase-II

Solution Requirements (Functional & Non-functional)

|  |  |
| --- | --- |
| Date | 11 May 2023 |
| Team ID | NM2023TMID11342 |
| Project Name | COVID VISION: Advanced COVID-19  Detection from lung x-ray with Machine  learning or Deep learning |

# Functional Requirements:

Following are the functional requirements of the proposed solution.

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | COVID 19prediction | Covid 19 x-ray report uploading the  images. |
| FR-2 | COVID 19 identification | Identifying the type of Sample and displaying in the prediction page. |

# Non-functional Requirements:

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

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | It is used for identification of covid. |
| NFR-2 | **Security** | It can be accessed only by authorities. |
| NFR-3 | **Reliability** | It helps in law enforcement agency to predict and  detect covid. |
| NFR-4 | **Performance** | It predicts 99.5% accuracy of type of the covid. |
| NFR-5 | **Availability** | Only available for authorities. |
| NFR-6 | **Scalability** | It used for identify covid and classify it, even, if the  images or video footages are blurry. |