

**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	<b>Usability</b>	It is used for identification of covid.
NFR-2	<b>Security</b>	It can be accessed only by authorities.
NFR-3	<b>Reliability</b>	It helps in law enforcement agency to predict and detect covid.
NFR-4	<b>Performance</b>	It predicts 99.5% accuracy of type of the covid.
NFR-5	<b>Availability</b>	Only available for authorities.
NFR-6	<b>Scalability</b>	It used for identify covid and classify it, even, if the images or video footages are blurry.