Project Design Phase-I
Proposed Solution Template

Date	05 May 2023
Team ID	NM2023TMID11342
Project Name	CovidVision: Advanced COVID-19 Detection from lung x-ray with mechine learning or Deep learning

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement	User from the department of covid vision.The imaging tool, such as Chest X-ray (CXR), can speed up the identification process. Therefore, our objective is to develop an automated CAD system for the detection of COVID-19 samples from healthy and pneumonia cases using CXR images.
2.	Idea	We analyzing the pattern to identify the different types of covid-19 symtoms. The tools using the report, situations and environment, objects involved in the covid-19 and the person involved in the images or video footages of the covid. Analyzing and identifying the report from the images.
3.	Novelty	Quantitative reverse transcription polymerase chain reaction (RT-qPCR) is undoubtedly the gold standard technique utilized not only for diagnostics, but also as a standard for comparison and validation of newer approaches.
4.	Social Impact	Social constraints in the COVID-19 pandemic force individuals to adapt to isolation and increase the prevalence of violence in the family, depression, anxiety, post-traumatic stress disorder.
5.	Business Model	The model incorporates an Erlang distribution of times of sojourn in incubating, symptomatically and asymptomatically infectious compartments. Basic properties of the model are explored, with focus on properties important in the context of current COVID-19 pandemic.
6.	Scalability of the Solution	**In addition to basic health and hygiene practices, like handwashing, CDC recommends some prevention**

		actions at all COVID-19 Community Levels, which include: Staying Up to Date with COVID-19 Vaccines.Improving Ventilation.Getting Tested for COVID-19 If Needed.