Project Initialization and Planning Phase

Date	14th July 2024
Team ID	SWTID1720165000
Project Name	CovidVision: Advanced COVID-19 Detection From Lung X-Rays With Deep Learning
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

The COVID-19 pandemic has overwhelmed healthcare systems worldwide, posing significant challenges in diagnosing and managing the influx of cases. Rapid and accurate diagnosis of COVID-19, particularly in settings with limited access to expert radiologists, is crucial for effective treatment and containment of the virus. Traditional diagnostic methods, such as RT-PCR tests, are time-consuming and may not be readily available in all regions, exacerbating the spread of the virus. There is a pressing need for a scalable, efficient, and reliable diagnostic tool to assist healthcare professionals in the early detection and management of COVID-19 cases.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A doctor trying to predict COVID 19	Save a patient by predicting COVID	Predicting disease from just an X Ray is challenging	Predicting the disease from an X-Ray just using eye is less efficient	Optimistic about chances of survival of patient.