

## Project Initialization and Planning Phase

Date	15 March 2024
Team ID	XXXXXX
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):

I am	I'm trying to	But	Because	Which makes me feel
<b>Healthcare provider</b>	Diagnose COVID-19 efficiently using lung X rays	The process is time-consuming and requires expert radiologists	Manual analysis of X-rays is prone to errors and delays	Frustrated and concerned about the accuracy and speed of diagnosis
<b>Hospital administrator</b>	Optimize resource allocation for COVID-19 testing	There is a shortage of radiologists and increasing patient load	The pandemic has overwhelmed the healthcare system	Overwhelmed and stressed about managing hospital resources
<b>Patient</b>	Get a quick and accurate diagnosis for COVID-19	The current testing methods are slow and sometimes inaccurate	There are delays in test processing and variability in test accuracy	Anxious and uncertain about my health status

<b>Problem Statement (PS)</b>	<b>I am (Customer)</b>	<b>I'm trying to</b>	<b>But</b>	<b>Because</b>	<b>Which makes me feel</b>
PS-1	Healthcare provider	Diagnose COVID-19 efficiently using lung X rays	The process is time-consuming and requires expert radiologists	rays Manual analysis of X-rays is prone to errors and delays	Frustrated and concerned about the accuracy and speed of diagnosis
PS-2	Hospital administrator	Optimize resource allocation for COVID-19 testing	There is a shortage of radiologists and increasing patient load	The pandemic has overwhelmed the healthcare system	Overwhelmed and stressed about managing hospital resources
PS-3	Patient	Get a quick and accurate diagnosis for COVID-19	The current testing methods are slow and sometimes inaccurate	There are delays in test processing and variability in test accuracy	Anxious and uncertain about my health status