



## **Project Initialization and Planning Phase**

Date	02 May 2025
Team ID	739870
Project Name	Advanced COVID-19 Detection From Lung X-Rays With Deep Learning using IBM Watson.
Maximum Marks	3 Marks

## **Define Problem Statements (Customer Problem Statement Template):**

Medical professionals face challenges in manually analyzing large numbers of chest X-ray images, which can lead to delays and diagnostic errors in detecting COVID-19 infections. There is a need for an automated, accurate, and efficient deep learning-based detection system, powered by IBM Watson, to assist doctors in delivering faster and more reliable COVID-19 diagnoses — ultimately improving patient care and outcomes



## **Example:**







Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	a doctor who checks chest X-ray images	detect COVID-19 infections early and accurately	it takes too long and mistak es can happen	there are too many images and no intelligent tool to assist	stressed and concerned about patient safety
PS-2	a patient with COVID-19 symptoms	get a quick and correct diagnosis	the process is slow and not always reliable	doctors need a lot of time to manually examine each X- ray	anxious and worried about my health