Project Initialization and Planning Phase

Date	07-07-2024
Team ID	SWTID1720433291
Project Name	CovidVision: Advanced COVID-19 Detection From Lung X-Rays With Deep Learning
Maximum Marks	3 Marks

Define Problem Statements:

In times of heightened COVID-19 cases, hospitals experience a surge in patients needing urgent medical care. The conventional approach of diagnosing COVID-19 using lung X-rays is slow and demanding, adding strain on healthcare workers and causing delays in crucial triage and treatment decisions. This bottleneck not only hinders the smooth management of patients but also undermines the level of care delivered. To tackle this pressing challenge, there is a critical requirement for a sophisticated, automated system that can rapidly and precisely assess lung X-rays. This solution would expedite diagnosis, allowing healthcare providers to prioritize and treat patients more efficiently during emergencies.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Healthcare Professional	Implement an efficient system for diagnosis and treatment	The hospital is overwhelmed and there are delays in getting diagnosed and treated	We need to prioritize and treat patients based on the severity of their condition quickly	Stressed and concerned about providing adequate care to all patients