

**Project Design Phase-I**  
**Proposed Solution Template**

Date	1 November 2023
Team ID	Team-592942
Project Name	Detecting COVID-19 From Chest X-Rays Using Deep Learning Techniques
Maximum Marks	4 Marks

**Proposed Solution:**

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<b>To develop a robust and accurate model for early detection of COVID-19 through analysis of chest X-rays.</b>
2.	Idea / Solution description	<b>The "Covid-19 Detection using Deep Learning with Chest X-rays" project aims to harness the power of deep learning algorithms to facilitate early and accurate diagnosis of Covid-19 by analyzing chest X-ray images. The project addresses the critical need for efficient and rapid screening of potential Covid-19 cases, providing a valuable tool.</b>
3.	Novelty / Uniqueness	<b>Our solution stands out due to its use of cutting-edge machine learning techniques tailored for COVID_19 monitoring, ensuring precise and timely predictions.</b>
4.	Social Impact / Customer Satisfaction	<b>The solution contributes to faster and more accurate prediction of covid 19 using chest x-rays and not relying on other tests.</b>
5.	Business Model (Revenue Model)	<b>Implement a subscription-based model for healthcare providers, offering premium</b>

		<b>features and personalized analytics. Additionally, collaborate with medical institutions for enterprise solutions.</b>
6.	Scalability of the Solution	<b>The solution is designed to be scalable, accommodating a growing number of users and expanding to different healthcare settings. Cloud-based infrastructure ensures flexibility and scalability.</b>