**Project Design Phase-I**

**Proposed Solution Template**

| Date | 1 November 2023 |
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| 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) | **To develop a robust and accurate model for early detection of COVID-19 through analysis of chest X-rays.** |
| 2. | Idea / Solution description | **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**. |
| 3. | Novelty / Uniqueness | **Our solution stands out due to its use of cutting-edge machine learning techniques tailored for COVID\_19 monitoring, ensuring precise and timely predictions.** |
| 4. | Social Impact / Customer Satisfaction | **The solution contributes to faster and more accurate prediction of covid 19 using chest x-rays and not relying on other tests.** |
| 5. | Business Model (Revenue Model) | **Implement a subscription-based model for healthcare providers, offering premium features and personalized analytics. Additionally, collaborate with medical institutions for enterprise solutions.** |
| 6. | Scalability of the Solution | **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.** |