

Project Design Phase-I
Proposed Solution Template

Date	06 May 2023
Team ID	PNT2022TMIDxxxxxx
Project Name	Project – Advanced covid-19 detection from Lung X-rays

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	With help of advanced technology we can diagnosis the disease prior
2.	Idea / Solution description	The virus initially affects the lungs of patients,X-ray imaging of the chest is helpful for effective diagnosis
3.	Novelty / Uniqueness	The x-raying of the chest with the deep learning concepts helps to find the problem easier
4.	Social Impact / Customer Satisfaction	It will help a lot of patient to detect the disease earlier and cure them from the starting stage
5.	Business Model (Revenue Model)	It will help the patient and help the hospital management service
6.	Scalability of the Solution	So with the help of this process it helps many patients to safe their life

Project Design Phase-I Solution Architecture

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Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.

Example - Solution Architecture Diagram:

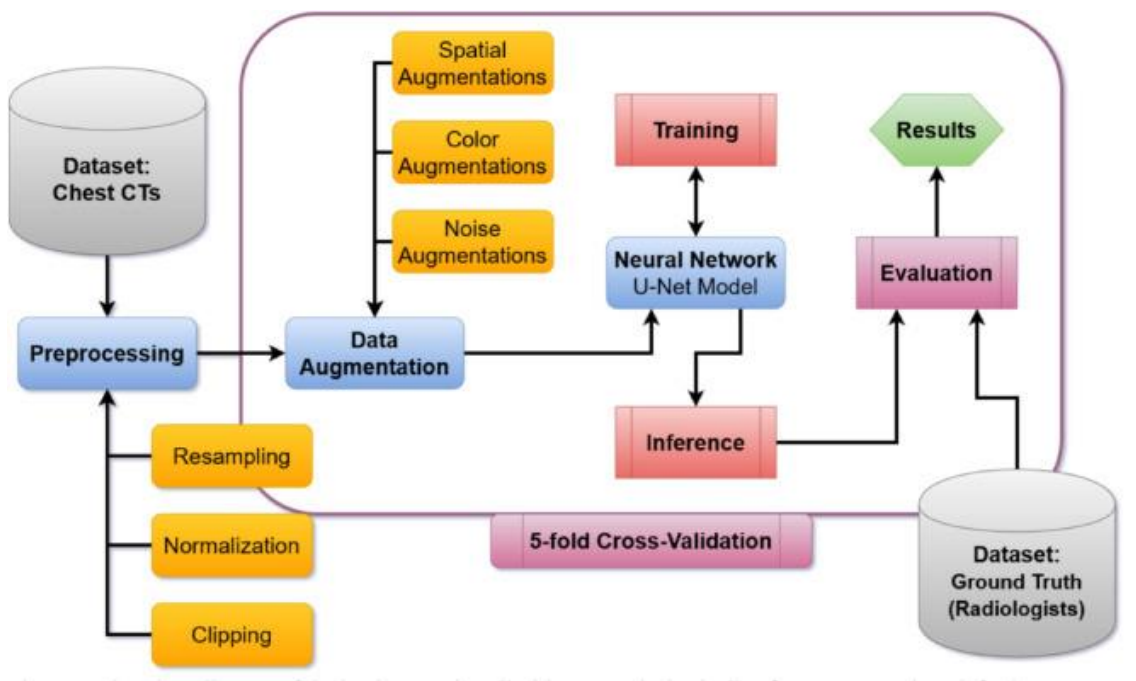


Figure 1: Architecture diagram for covid-19 lung x-ray