

Model Development Phase Template

Date	15 March 2024
Team ID	SWTID1720351492
Project Title	CovidVision: Advanced COVID-19 Detection from Lung X-rays with Deep Learning
Maximum Marks	5 Marks

Model Selection Report

In the model selection report for future deep learning and computer vision projects, various architectures, such as CNNs or RNNs, will be evaluated. Factors such as performance, complexity, and computational requirements will be considered to determine the most suitable model for the task at hand.

Model Selection Report:

Model	Description
Model 1	The model developed is a Convolutional Neural Network (CNN) leveraging the VGG19 architecture, pre-trained on the ImageNet dataset. The primary objective is to classify chest X-ray images into two categories: COVID-19 positive and normal. The use of a pre-trained VGG19 model allows us to utilize the powerful feature extraction capabilities of a deep network trained on a large and diverse dataset, which can be fine-tuned for our specific task.