

Model Development Phase Template

Date	2 Dec 2024
Team ID	TMID739650
Project Title	ADVANCED COVID-19 DETECTION FROM LUNG X-RAYS BY DEEP LEARNING
Maximum Marks	10 Marks

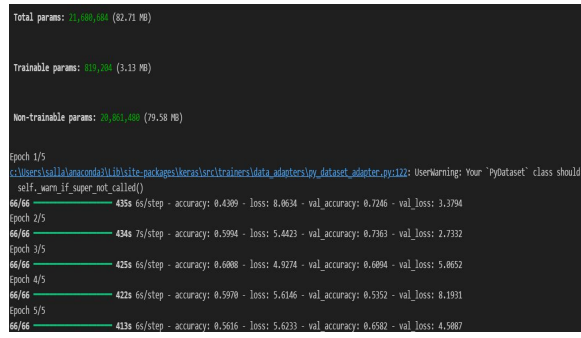
Initial Model Training Code, Model Validation and Evaluation Report

The initial model training code will be showcased in the future through a screenshot. The model validation and evaluation report will include a summary and training and validation performance metrics for multiple models, presented through respective screenshots.

Initial Model Training Code (5 marks):

Paste the screenshot of the model training code

Model Validation and Evaluation Report (5 marks):

Model	Summary	Training and Validation Performance Metrics
Model 1	<pre># Train the model history = model.fit(training_set, validation_data=validation_set, epochs=5, steps_per_epoch=len(training_set) // 16, validation_steps=len(validation_set) // 16, class_weight=class_weights, callbacks=my_callbacks)</pre>	 <p>The screenshot displays the training progress for Model 1. It shows the total number of parameters (21,600,604) and the trainable parameters (619,304). The training process is divided into 5 epochs, with 16 steps per epoch. The output shows the accuracy, loss, and validation accuracy and loss for each epoch. The training loss decreases from 8.0634 to 5.6233, while the validation loss increases from 3.3794 to 4.5807.</p>

