



## **Model Development Phase Template**

Date	01 May 2025
Team ID	739942
Project Title	CovidVision: Advanced COVID-19 Detection From Lung X-Rays With Deep Learning Using IBM Cloud
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):**

```
# fit the model
r = model.fit_generator(
    training_set,
    validation_data=test_set,
    epochs=25,
    steps_per_epoch=len(training_set)//16,
    validation_steps=len(test_set)//16,callbacks = my_callbacks)
```

## **Model Validation and Evaluation Report (5 marks):**

Model	Summary			Training and Validation Performance Metrics
Model  Model 1	beart (Copetiages)  com2d (Com2D)  batch,newalization (LettiNormalization)  sctivation (activation)  comod_d_(Com2D)  batch,newalization_d_(Catcheo realization)  sctivation_d_(Activation)  comcatenate_d_(Concatenate)  activation_d_d_(Activation)  sixedim_(Concatenate)		Type   Type	



