Model Development Phase

Date	01 July 2024
Team ID	SWTID1720084679
Project Title	CovidVision: Advanced COVID-19 Detection from Lung X-rays with Deep Learning
Maximum Marks	5 Marks

Model Selection Report:

Model	Description
VGG16 Model	VGG16 is a convolutional neural network model which uses 16 layers for feature extraction and classification. It's known for its simplicity and effectiveness in image classification tasks.
ResNet Model	ResNet introduces residual blocks which help in training deeper networks by mitigating the vanishing gradient problem. It's highly effective for complex image recognition tasks.
Inception Model	Inception model, also known as GoogLeNet, uses multiple convolutional kernels at each layer to capture different features. It's efficient in terms of both accuracy and computational cost.
Xception Model	Xception is an extension of the Inception architecture that replaces the standard Inception modules with depthwise separable convolutions. It's known for its superior performance in image classification tasks.