



Model Optimization and Tuning Phase Template

Date	19 March 2024
Team ID	SWTID1720240510
Project Title	Covid vision: Advanced Covid-19 Detection From Lung X-Rays With Deep Learning
Maximum Marks	10 Marks

Model Optimization and Tuning Phase

The Model Optimization and Tuning Phase involves refining neural network models for peak performance. It includes optimized model code, fine-tuning hyperparameters, comparing performance metrics, and justifying the final model selection for enhanced predictive accuracy and efficiency.

Hyperparameter Tuning Documentation (8 Marks):

Model	Tuned Hyperparameters





From the above run time, we can observe that at 7th epoch model is giving the best accuracy that is 0.8240 which is initialized through call back parameter

Final Model Selection Justification (2 Marks):

Final Model	Reasoning

	We tried the other models like sequential model but it gave accuracy as
Xception	0.775 so we decided to take xception model as final model