# Model Optimization and Tuning Phase Template

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| Date | 15 March 2024 |
| Team ID | xxxxxx |
| Project Title | xxxxxx |
| 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 |
|---|---|
| Model 1 | Hyperparam1, Hyperparam2, … (Give a short description of the params and give the screenshot of the code) |
| Model 2 | Hyperparam1, Hyperparam2, … (Give a short description of the params and give the screenshot of the code) |
| ... | ... |

**Final Model Selection Justification (2 Marks):**

| Final Model | Reasoning |
|---|---|
| Model 1 (or other) | Explanation of why this model was chosen as the final optimized model |