**Model Optimization and Tuning Phase Template**

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| Date | 15 March 2024 |
| Team ID | 740678 |
| Project Title | Amazon Kindle Store Reviews Analysis |
| 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):

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| **Model** | **Tuned Hyperparameters** |
| NLTK | -- |
| WORDNET | -- |
| STOP WORDS | -- |
| TENSORFLOW | -- |

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

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| --- | --- |
| **Final Model** | **Reasoning** |
| KERAS INITIALIZER | **Kernel initializer** is the weight initialization; initialization function is the network initialization function which sets all the weights and biases of a network to values suitable as a starting point for training. |