

## Model Development Phase Template

Date	25 June 2025
Team ID	SWTID1749974387
Project Title	Neural Networks Ahoy: Cutting-edge Ship Classification for Maritime Mastery
Maximum Marks	6 Marks

### Model Selection Report

In the forthcoming Model Selection Report, various models will be outlined, detailing their descriptions, hyperparameters, and performance metrics, including Accuracy or F1 Score. This comprehensive report will provide insights into the chosen models and their effectiveness.

Model	Description	Hyperparameters	Performance Metric (e.g., Accuracy, F1 Score)
VGG-16( Transfer Learning)	Pretrained CNN on ImageNet; fine-tuned for ship classification; strong at feature extraction.	Learning Rate = 1e-4, Batch Size = 32, Adam optimizer	Accuracy score = 95%