



Model Development Phase Template

Date	15 March 2024
Team ID	SWTID1719937289
Project Title	WCE Curated Colon Disease Classification using Deep Learning
Maximum Marks	5 Marks

Model Selection Report

In the model selection report for future deep learning and computer vision projects, various architectures, such as CNNs or RNNs, will be evaluated. Factors such as performance, complexity, and computational requirements will be considered to determine the most suitable model for the task at hand.

Model Selection Report:

Model	Description	Performance Metric (e.g., Accuracy, F1 Score)
VGG16	VGG16 is used in wireless capsule endoscopy (WCE) for colon disease prediction by classifying and detecting abnormalities in endoscopic images. Its ability to extract detailed features from images helps in identifying conditions like polyps, ulcers, and tumors with high accuracy, aiding in early diagnosis and treatment.	Accuracy score =82% ➤ Evaluate the Model on Test Data / [17] loss, accuracy = model.evaluate(test_data, steps=len(test_data))