

Model Development Phase

Date	15 March 2024
Team ID	739877
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
Model 1 (vgg16) Transfer Learning	<p>Description: Pre-trained on ImageNet for image classification; fine-tuned for colon disease classification by freezing layers and training the final dense layer.</p> <p>Performance: High accuracy due to deep architecture and transfer learning.</p> <p>Complexity: Moderate to high (138 million parameters).</p> <p>Computational Requirements: High (requires significant GPU resources).</p>