**Model Development Phase**

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| Date | 25 June 2025 |
| Team ID | SWTID1750058607 |
| Project Title | Early-Stage Disease Diagnosis System Using  Human Nail Image |
| 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:**

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| **Model** | **Description** |
| VGG16 | VGG16 is a deep Convolutional  Neural Network (CNN) architecture used for this project. It is selected for its simplicity and effectiveness as a feature extractor, particularly when utilized with transfer learning on specialized medical image datasets, which are typically not as large as general datasets like ImageNet. This model provides a robust starting point for classifying complex visual patterns in human nail images for early disease diagnosis. |