Model Development Phase Template

Date	10 July 2024
Team ID	**SWTID1720158583**
Project Title	**Vitamin Vision: Unveiling The Spectrum Of Nutrient Detection**
Maximum Marks	5 Marks

Model Selection Report

In this project we took few models like vgg19, vgg16, custom deep model.

Model Selection Report:

Model	Description	acuuracy
Model 1	VGG19, the model consists of 19 layers, including 16 convolutional layers, 5 max-pooling layers, and 3 fully connected layers, followed by a softmax activation function for classification. VGG19 utilizes small 3x3 receptive fields throughout the network, which helps capture fine details in images. Despite its depth, the model architecture is straightforward, making it a popular choice for various computer vision applications. It has achieved excellent performance on benchmark datasets like ImageNet, establishing itself as a foundational deep learning research and practice model.	70
Model 2	VGG16, The VGG16 architecture is known for its simplicity and uniformity, consisting of 16 weight layers, including 13 convolutional layers and 3 fully connected layers, followed by a softmax layer for classification.	68

Model 3	**A custom deep model consists of 4 convolutional layers, and one dense layer for softmax activation.**	**67**