Model Development Phase Template

Date	12 November 2024
Team ID	team-739757
Project Title	Tomato Plant Disease Detection From Leaf Images 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
ResNet152V2	ResNet152V2 is a deep convolutional neural network architecture known for its high accuracy in image classification tasks. It's particularly well-suited for complex datasets with many variations in objects. For tomato plant identification, ResNet152V2 could be a good choice if you have a large and diverse dataset of tomato plant images with different growth stages, varieties, and environmental conditions. It's ability to learn intricate features from the images could lead to a highly accurate model.