

Model Development Phase Template

Date	4 June 2024
Team ID	SWTID1720109344
Project Title	Rice Type Classification using CNN
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
VGG 16	Has 16 convolution layers and 3 fully connected layers. Input is a 224*224 3 color channels, contains 5 convolution layers followed by polling layers. Each convolution box has multiple convolution layers.
Resnet-xx	Input is a 224*224,3 color channel. different architecture has a different number of layers. The convolution layer is based on the filters and uses relu activation function.
Xception	Allows the features to capture more details simultaneously. input size is the same as the vgg.