Model Development Phase Template

Date	8July 2024
Team ID	SWTID1720078167
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
CNN	A Convolutional Neural Network (CNN) is a type of deep learning algorithm that is particularly well-suited for image recognition and processing tasks. It is made up of multiple layers, including convolutional layers, pooling layers, and fully connected layers. The architecture of CNNs is inspired by the visual processing in the human brain, and they are well-suited for capturing hierarchical patterns and spatial dependencies within images. Components of CNN Model: • Convolution layers • Pooing layers • Activation Functions • Fully Connected layers

	In our model developed, according to the classification report it is giving a considerable **ACCURACY of 98%.**