Model Development Phase Template

Date	15 March 2024
Team ID	739868
Project Title	Real Time Communication System Powered By AI For Specially Abled
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	The model processes images, extracts features using convolutional layers, and makes predictions through fully connected layers. It utilizes **ReLU** activation for hidden layers and **Softmax** for multi-class classification. The model is trained with **categorical cross-entropy** loss and the **Adam optimizer**. It's designed to recognize specific patterns or gestures in images, enabling real-time communication for specially-abled individuals.