**Model Development Phase Template**

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| Date | 15 November 2024 |
| Team ID | 739973 |
| Project Title | Fertilizer Recommendation System For Agriculture Using Ai |
| 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:**

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| **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. |