Model Development Phase Template

Date	16 July 2024
Team ID	739870
Project Title	Freedom of the World Classification
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.

 A model selection report outlines the process of evaluating and choosing the most suitable machine learning model for a specific task, detailing criteria such as performance metrics, computational efficiency, interpretability, and suitability for the dataset's characteristics to justify the final model choice.

Model Selection Report:

Model	Description
K-Nearest Neighbours (KNN)	The K-Nearest Neighbors (KNN) algorithm is a simple, non-parametric, and instance-based learning method used for classification and regression. In the context of classification, KNN assigns a class to a new observation based on the majority class of its 'k' nearest neighbors in the feature space. The algorithm does not make any assumptions about the underlying data distribution, making it versatile and easy to understand.