

## Model Development Phase Template

Date	29 November 2024
Team ID	739984
Project Title	AI-Generated vs. Real Image Classifier Using Deep Learning.
Maximum Marks	5 Marks

### Model Selection Report

In deep learning and computer vision, selecting the appropriate model architecture is crucial for optimal performance. For tasks involving image classification, **Convolutional Neural Networks (CNNs)** have proven to be one of the most effective architectures due to their ability to capture spatial relationships in images.

#### Model Selection Report:

Model	Description
CNN	<b>Convolutional Neural Network (CNN):</b> A deep learning model designed for image classification tasks, CNNs are particularly effective in identifying spatial patterns in images. For this project, CNN was trained to differentiate between AI-generated and real images, achieving an accuracy of <b>92%</b> .