# Configuration Manual


MSc Research Project
Masters of Science in Data Analytics


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**PLEASE READ THE FOLLOWING INSTRUCTIONS AND CHECKLIST**

# Configuration Manual

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## 1. Introduction

This study provides an overview of facial emotion recognition using Convolutional Neural Networks (CNNs), emphasizing its importance in human-computer interaction and advancements in deep learning techniques for improved accuracy.

## 2. Research Questions

This section focus on identifying how effectively CNNs can classify facial emotions, the impact of preprocessing techniques, and the performance improvements using datasets like FER2013 and AffectNet.

## 3. Methodology

This outlines the step-by-step process of facial emotion recognition using CNNs, including data collection, face detection, preprocessing, feature extraction, and classification for accurate emotion detection.

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