**EMOTION RECOGNITION FROM STATIC FACIAL IMAGES USING TRANSFER LEARNING AND CNN ARCHITECTURES**

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**ABSTRACT**

**INTRODUCTION**

The ability to recognise human emotions through facial expressions plays a crucial role in facilitating natural interactions between humans and intelligent systems. Facial Emotion Recognition (FER) involves identifying and classifying emotions expressed through facial cues into predefined categories such as happiness, sadness, anger, fear, surprise, disgust, and neutrality.

Traditional machine learning approaches rely heavily on handcrafted features, which are often limited in capturing complex, high-level patterns. Recent advancements in deep learning, particularly CNNs, have led to significant breakthroughs in visual recognition tasks. Additionally, Transfer Learning has emerged as a powerful technique to leverage knowledge from large-scale datasets, enabling improved performance on domain-specific tasks like FER.

This paper presents a comprehensive study on using Transfer Learning and CNN architectures for emotion recognition from static facial images. We explore the performance of various pre-trained models, adapt them to the FER domain, and evaluate their effectiveness on standard benchmark datasets.

**RELATED WORKS**

**METHODOLOGY**

**EXPERIMENT AND RESULT**

**REFERENCE**