

# Human Face Emotion Detection and Recognition

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**Abstract:** *This research project aims to develop an efficient and cost-effective system for the real-time detection and recognition of human facial emotions using a Raspberry Pi platform. Emotion recognition from facial expressions is a critical component in human-computer interaction, and it finds applications in various fields, including healthcare, education, and entertainment.*

*The proposed system leverages computer vision techniques and deep learning models to detect and classify emotions based on facial features. Raspberry Pi, a low-cost, credit-card-sized computer, serves as the core hardware platform, making the system accessible and affordable for a wide range of applications..*

**Keywords:** Facial Detection, Emotion Classification, Real-time processing, User Interaction

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