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FINAL YEAR PROJECT REPORT

FACIAL FEATURE EXTRACTION FOR SMILE DETECTION

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ABSTRACT

The mental state of a person is judged by detecting smiles. The smile detection starts with the facial recognition.

Smile detection from facial images is a specialized task in facial expression analysis with many potential applications such as smiling payment, patient monitoring and photo selection. The current methods on this study are to represent face with low-level features, followed by a strong classifier. In this project, we propose to extract smiles and non smiles by using MATLAB. A key contribution of this work is that we use both recognition and verification as supervision which is helpful to in smile detection .

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