Abstract

Mixing, abduction and illegal adoption of infant is a global challenge and the research done to solve this problem is minimal. Traditional methods of biometric and non biometric techniques have their own limitations and fail to provide required level of security. The task of face recognition has been actively researched in recent year and automatic face recognition of infant is not reported in the literature. The contributions of this research are: (i) Design and implementation of intelligent face recognition technique to recognize infant. (ii) Preparing an infant face database of 150 individuals with slight variations in pose, illumination; expression and quality. The results on the infant database are very encouraging.

References


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Index Terms

Computer Science

Pattern Recognition

Keywords

Face Recognition  Infant  Neural network  Intelligent