JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY

PREDICTION MODEL USING FACIAL FEATURES

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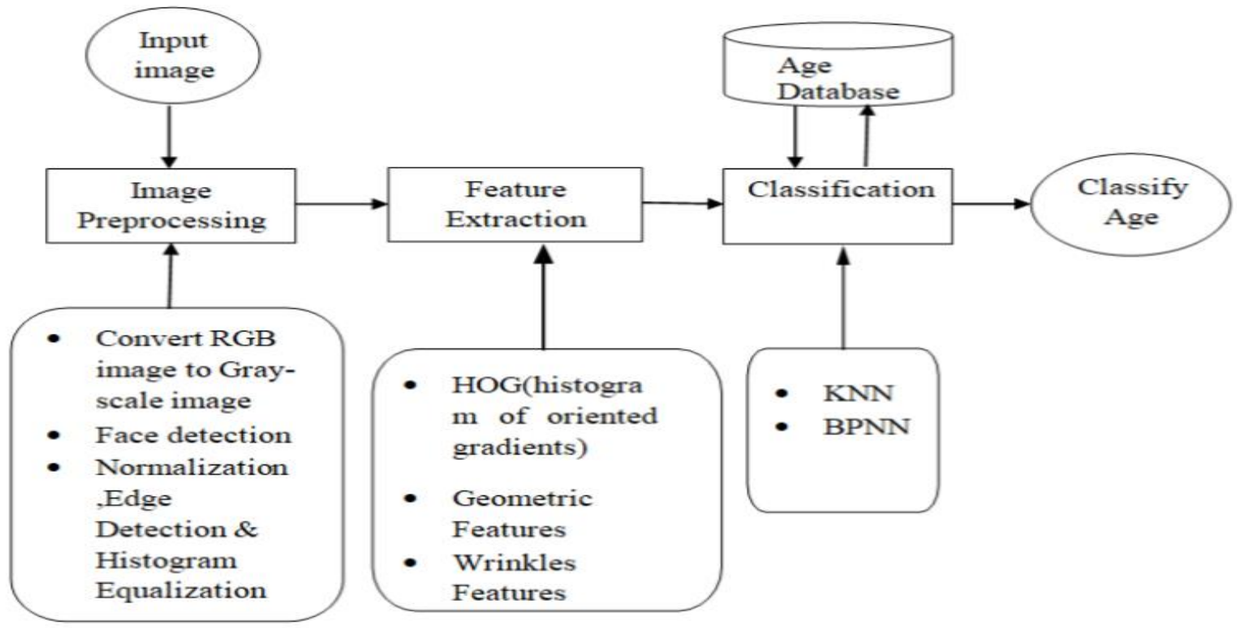
PROBLEM STATEMENT

In this paper, we present a strategy for age prediction, in which the age group is anticipated by distinguishing face or face reference focuses utilizing the viola-jones calculation. Subsequent to recognizing the face, the highlights incorporate geometric attributes, wrinkle qualities and HOG qualities, and afterward these removed highlights are utilized to prepare a classifier utilizing neural systems. The framework utilized self-creation databases for age bunch grouping. At last, the distinguishing proof rate gotten by the HOG-neural system model improves results.



RESULT

This project explains a novel method for the age group classification. Proposed technique based on hybrid wrinkle and geometrical features which provides a robust method that identifies the age group of individuals from a set of different images including various age groups. From these images, features are then extracted and then calculations are performed for finding out face age groups. Based on the observed results, images are then classified into 3 groups on the basis of BPNN algorithm. We can conclude that wrinkle analysis is one good approach to estimate human age for an individual. For better eye detection, images should be captured without spectacles. Viola Jones algorithm focuses on the front face that is why the image needs to be a straight frontal face. Working on the individual faces, age group identification should contain single human face only. This research has shown results with 92.2% accuracy for three age groups.