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## Optimized Cardiovascular Disease Detection and Features Extraction Algorithms

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processing ECG signal. Third step perform the fusion of extracted beats and apply the feature extraction method called Normalized Higher Order Statistic (NHOS). The normalized HOS techniques assess the complexity among all the QRS based beats and delivers the more unique features for the accuracy enhancement. The final step is the classification by using five different classifiers for the CVD detection. The simulation results presented in this paper demonstrate that proposed framework achieved the significant accuracy improvement.

Keywords: Electrocardiogram; heart disease; cardiovascular disease; hybrid filtering; features extraction; QRS and ST beats

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