Abstract

In recent years, heart disease has been one of the main causes of death worldwide. Statistics report that around 17 million people die every year due to this disease. Usually the heart disease diagnosis is done using Electrocardiogram (ECG) which is very expensive for the people to afford especially in remote areas. But using Photoplethysmography (PPG) signals it is easier, non-invasive and less expensive in detecting the heart diseases and other abnormalities of human body. So in this paper, various PPG signals usage and their merits are discussed. Also this work focuses on several methods and algorithms of cardiovascular disease (CVD) classification. Several classifier techniques in the field of biomedical signal processing methods are also examined.

References


Index Terms

Computer Science  Signal Processing
Keywords

Cardiovascular disease, Heart rate, Peak-to-peak interval Photoplethysmography.