Abstract

Electrocardiogram (ECG) is the recording of electrical activity of the heart. Accurate measurement of ECG parameters is an important requirement of ECG analysis, particularly if the results are to be used for clinical purposes. Most automatic ECG diagnosis techniques require an accurate detection of the QRS complex. Almost all the analysis methods use the standard Massachusetts Institute of Technology-Beth Israel Hospital (MIT-BIH) database which is available in the digital form. In this paper a method for detection of R peak of ECG signal is discussed. The main objective of this work is to test this method using ECG of Indian patients. ECG signals from Modified Lead II (MLII) are chosen for processing.

References

Detection of R Peak in Electrocardiogram


Index Terms

Computer Science

Signal Processing

Keywords

ECG  Beat Detection  P-QRS-T waves  Windows  MATLAB.