Abstract

To study the prakruti of a person, a physician has to put his three fingers on the wrist (2 cm below the palm) of the individual to sense the vibrations occurring in the radial pulse in Traditional Indian Medicine (TIM). But the most predictable pulse signal acquirement instruments only captures the signal at single location which is under a set pressure, thus capturing just limited pulse analytic information. In the proposed methodology a non invasive pulse signal acquisition system has been developed depending on the virtual instrumentation technology using LabVIEW software. The system would encompass sensors and data acquisition equipment as the hardware circuitry and the signal processing system based on LabVIEW software intended for the successful recognition of diseases. The system intends to employ more compact and feasible technique for detection of radial pulse and differentiation between the three pressure points than the existing counterparts.
1. Harsha Godhia, Yasmin Hazrat, Shashank Kabra, Mita Bhowmick, Pulse Wave Detection And Analysis.


**Index Terms**

Computer Science  
Biomedical

**Keywords**
Three pressure points, Traditional Indian Medicine (TIM), Pulse Data Acquisition, Signal Processing in LabVIEW.