Abstract

Diabetes is a flopping of the body caused due to the absence of insulin and has gained popularity, globally. Physicians analyze diabetes using a blood glucose test; we cannot visibly categorize the person as diabetic or not based on these indicators. A pre-diabetic stage can aware the doctors and the patient about the denigrating health and can conscious the patient about the concerned measures. So proposed work intend a multi-class genetic programming (GP) based classifier design that will help the medical practitioner to confirm his/her diagnosis towards pre-diabetic, diabetic and non-diabetic patients.

This system will design in two phases, first phase consist generation of a single feature from available features using Genetic Programming from the training data. The second phase consists of use the test data for checking of the classifier. Analysis of diabetes can be complemented by this GP based classifier.


Index Terms

Computer Science
Software Engineering

Keywords

Data Mining, Genetic Programming, Diabetic, Non-Diabetic, Pre-Diabetic, Classification.