Intelligent Prediction System for Diagnosis of Heart Attack

Authors : Oluwaponmile David Alao

Abstract : Due to an increase in the death rate as a result of heart attack. There is need to develop a system that can be useful in the diagnosis of the disease at the medical centre. This system will help in preventing misdiagnosis that may occur from the medical practitioner or the physicians. In this research work, heart disease dataset obtained from UCI repository has been used to develop an intelligent prediction diagnosis system. The system is modeled on a feedforwad neural network and trained with back propagation neural network. A recognition rate of 86% is obtained from the testing of the network.

Keywords : heart disease, artificial neural network, diagnosis, prediction system
Conference Title : ICICS 2015 : International Conference on Information and Computer Sciences
Conference Location : Zurich, Switzerland
Conference Dates : July 29-30, 2015