



Diagnosis of Heart Disease using Neural Network

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Abstract – Heart disease prediction is treated as most complicated task in the field of medical sciences. Thus there arises a need to develop a decision support system for detecting heart disease of a patient. Data mining techniques have been widely used in clinical decision support systems for prediction and diagnosis of various diseases with good accuracy. The main objective of this research work is to develop a prototype which can determine and extract unknown knowledge (patterns and relations) related with heart disease from a past heart disease database record. This paper proposes back propagation Neural Network technique for heart disease prediction. Performance of proposed approach is evaluated using confusion matrix plot.

Keywords – BPNN, Confusion Matrix, Heart Diseases.

IJDACR