Abstract

Heart disease prediction is treated as most complicated task in the field of medical sciences. Thus there arises a need to build a decision support system for detecting heart disease of a patient. Almost all system predicting heart disease use inputs from complex tests conducted in labs. In this project we are developing a system which will predict heart based on the risk factors such as tobacco, smoking, alcohol intake, age, family history, diabetes, hypertension, high cholesterol, physical inactivity, obesity. These common risk factors can be used effectively for diagnosis of heart disease[1]. System based on the such risk factors would not only help medical professionals but it would give patients a warning about the probable presence of the heart disease even before he/she visits a hospital or goes for costly medical checkups.

References

1. Dawan A, Sharma M, "Prediction of heart disease using a hybrid technique in data mining"
New Improved Genetic Algorithm for Coronary Heart Disease Prediction


4. S. Sudha, "Disease Prediction in Data Mining Technique – A Survey", International Journal of Computer Applications and Information Technology, ISSN: 2278-7720-2013; 2(1) 17-21


**Index Terms**

Computer Science

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**Keywords**

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