



IMPLEMENTATION OF DATA MINING TECHNIQUES FOR EARLY STAGE PREDICTION OF BLOOD DISEASES

Dr. Srinivas Konda¹, Dr. Muhammad Ashfakul Hasan²,
Dr. B. Kavitha Rani³ ^{1,3}Professor, Dept. of CSE,
CMR Technical Campus
phdknr@gmail.com
phdknr1@gmail.com
²Department of CSE,
Malla Reddy Institute of Engineering & Technology
dr.ashfaq.mailme@gmail.com

June 14, 2018

Abstract

Health systems collect enormous medical data from many medical investigations which belong to various areas of the disease. Much study has been fulfilled to generate knowledge from medical data using data mining techniques. However, there is a huge scope to extract concealed information in medical data that can help to detect diseases at premature stage or before the disease is developed in human body. In this study data mining classifiers such as Decision Tree, Rule Induction & Naive Bayes, Classifiers use CBC characteristics to predict possible information about the blood Diseases of the initial stage, which can progress the hardening capacity. Three experiments are conducted on the test blood data set, which contains three types of blood diseases; Hematology

of adults, Hematology Children and tumors. Finally Nave Bayes classifier predicts blood cancer with precision 56%, and decision tree has the lowest accuracy rate to come across the three varieties of illnesses in our records set.

