Abstract

Drug abuse is one of the highest occurrences of diseases globally, with increased cases of mental health, physical health and death problems. Drug control counselling centres and drug law enforcement agencies have made several efforts by implementing drug prohibition policies, campaign against drug abuse and creating awareness on risks associated with drug abuse. Unfortunately, drug abuse has become a global phenomenon affecting almost every country today. This problem can be greatly minimized by developing an intelligent system that can give assistance for such common situation. In this work, hybrid intelligent system has been developed for diagnosing drug abuse patients and recommend suitable advice that helps the patients reduce drug abuse problems. PHP.Net and MSQL were used for the development of the system. The system was tested and evaluated by the clinicians. The results generated from the system based on patient data confirm that the system can represent the expert’s thinking in a satisfactory manner.

**Index Terms**

Computer Science

Information Sciences

**Keywords**

Intelligent decision support system, case-based reasoning, rule-based reasoning, drug abuse and intervention.