

Abstract

Expert system is one of artificial intelligent knowledge base which worth to develop. Provide basic illness treatment for children around age 1 to 13, which can be done by diagnose type of disease based on indication, and medicinal treatment based on disease type, Infected time, and user history. Children easily infected by disease, because their immune system is not perfect yet, and parent health knowledge is low.

This medical expert system used PHP and HTML as interface and inference engine, and used MySQL as database. The solution can be found by check and compare victim's indication and history with inference engine, and find the basic treatment then save the victim disease data as history. Forward chaining will be used as inference engine's searching method.

The result is a program which can diagnose and found the type of disease based on user indication input. This system can be used by the expert (doctor) to save the data of medical patients and diagnoses. Also can be used by other to find basic cure right after infected before go to the doctor.

Keyword : Expert system, PHP and MySQL, forward chaining, children illness.