A Review on Knowledge-based Expert System: Concept and Architecture

Abstract

A Knowledge-based expert system use human knowledge to solve problems that normally would require human intelligence. Expert systems are designed to carry the intelligence and information found in the intellect of experts and provide this knowledge to other members of the organization for problem solving purposes. With the growing importance of human resource management and increasing size of the organizations, maintenance of employee related data and generating appropriate reports are the crucial aspects of any organization. Therefore more and more organizations are adopting computer based human resource management systems (HRMS). This paper explains the architecture, knowledge representation techniques and application areas of knowledge-based expert system in Human Resource.
Reference


Index Terms

Computer Science Artificial Intelligence

Key words

Knowledge-based Expert System

Knowledge Base
Inference Engine
ACRS