Abstract

E-healthcare decision support system is developed for the purpose of improving the healthcare services and control over patient's health. The system facilitates quick accessed and specialized health care services, of course, depending upon the patient's or case history by reducing the visit time to medical institutions. It provides the health care specialist a fast and up to date patient health data, thus reducing the documentation and formalities and increasing the usability of the information more effectively and reliably by the medical institutions. Healthcare institutions are designed to target the patients to deliver proper services. There is a wealth of data available within the healthcare systems but they lack effective analysis tools to discover hidden relationships and trends in data. Ontologies enable high scalability in searching, extracting, maintaining and generating information.

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Index Terms

Computer Science     Artificial Intelligence

Keywords
E-Healthcare Decision Support System based on Ontology Learning: A Conceptual Model

e-healthcare  Ontology  Ontology learning  Knowledge Management  Knowledge Engineering

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