Abstract

The Holy Quran reading rules (Tajweed) are extremely important for Muslims in order to read the Qur’an correctly. Nowadays, technology has been used in the daily life, and many people learned through computerized systems, thus there is a need to unification of scientific terms that used in these systems. According to that system developers directed towards building ontologies, depend on knowledge bases as a source of data. The beginning for the authors was at 2017 when they designed their first ontology in Tajweed provisions [1], and as a complement to this, another part of the system is now being built, which is the part related to Meem Sakinah and its provisions. This paper aimed to design an ontology for Meem Sakinah Provisions in order to help in learning and understanding this part of Holy Quran Tajweed. Also, to facilitate the knowledge sharing with other applications of Holy Quran. This Ontology adopted protégé framework with OWL language to represent and define the key concepts in Meem Sakinah Provisions (Izhaar Shafawi, Ikhfa Shafawi and Idghaam Shafawi), and define the relationships between these concepts and its properties.
References


Index Terms

Computer Science
Information Sciences

Keywords

Ontology; Tajweed; Meem Sakinah; Izhaar Shafawi; Idgham Shafawi; Ikhfa Shafawi.