Abstract

The Semantic Web which is a collaborative movement led by the World Wide Web Consortium (W3C) is gaining popularity among the web users. Ontology forms the backbone of semantic web in representing data. A Paddy ontology created for the agro repository is presented in this paper. Based on Resource Description Framework/Web Ontology Language specifications the created ontology supports the extraction of new knowledge in the areas of high value Paddy, different varieties, possible diseases etc in the southern part of India. This paper makes an attempt to tag the relevant information on Paddy ontology formation which enable user to find, share and combine information more easily.

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**Index Terms**

Computer Science

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**Keywords**

Rdfs  Rdf  Owl  Paddy  Semantic Web  Knowledge Portal