Ontology based Integrated Methodology for Modelling Dynamic Civilian Data

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Abstract - The technology world today functions in the Knowledge Era where data and information are no longer to be considered "sustaining" goods in social consistency. Ontology technology is used to model the real world confirming to the concept of "Complete Universe of Discourse". Thus, it is also a powerful technique to represent knowledge regardless of the attributes of data. On the other hand, Civilian information management has already become a critical task in information world along with the increasing rate crime and breaking of law. Thus ensuring higher availability of civilian knowledge for authorized and legitimate bodies is very important to keep proper law and order in communities. This paper, introduces a new methodology to model civilian knowledge and detect patterns over already existing but highly dynamic data using Ontology Technology. In this approach, we show that separation of instances of ontology as civilian profiles to a separate knowledgebase is much efficient.