

Editorial

We are pleased to bring the third issue of the seventeenth volume of the **Journal of Digital Information Management** with the below described research. This issue is characterized by the following papers.

In the opening paper on “**Knowledge-Intensive Decision Support System for Manufacturing Equipment Maintenance**” described the design and development of a Knowledge-Intensive Decision Support System (KI-DSS) for Manufacturing Equipment Maintenance in industrial plants. It will enable to support better maintenance decision and improve maintenance efficiency. The integration of case-based Reasoning and ontology, the Ki-DSS help to carry out the data matching retrieval and performed semantic associated data access which is important for intelligent knowledge retrieval in decision support system.

In the next paper on “**A Graph-Based Approach for Aspect Extraction from Online Customer Reviews**” the authors *Rakesh Kumar* and *Aditi Sharan* proposed automatic analytics tool for the review sentences so as to extract semantics from reviews. In this work they presented a new kind of product aspect extraction approach which utilized a graph-based technique with the integration of statistical and semantic information. The analysis of experimental results shown that the proposed approach is efficient and effective in comparison to the state of art methods.

In the third paper on “**A Study of Data Requirements for Data Mining Applications in Banking**” the authors *Mina Ranjbarfard* and *Shahideh Ahmadi* have suggested a data mining model to extract all served entities and attributes required for analytical purposes and categorize the attributes. They have drawn the entity-relationship model for auditing data gap in banks and applied to a real case. The authors claim that it serves as a supportive tool for improving bank’s business intelligence maturity from the data perspective.

Hope the papers of this issue mark elegance and significance on the themes discussed.

Editors