

Contents

Editorial i

Research

Database Design for Software Tool to Improve the Quality of Software Product
using Fuzzy Quality Function Deployment -
Swati Bhatia, Ashish Sharma 43

Impact of Refactoring on Code Quality by Using Graph Theory: An Empirical Evaluation -
Anam Shahjahan, Aisha Zafar Ahmad, WasiHaider Butt, Usman Qamar 55

Improvements in Clustering Using Affinity Propagation: A Review -
Aniket Bombatkar, Thaksen Parvat 63

Book Review 70

Conference Notification 71

- Fifth International Conference on Innovative Computing Technology
(INTECH 2015)

- First International Conference on Data and Communication for Science, Technology and Society
(ICDCST 2015)

- Fourth International Conference on Future Generation Communication Technologies
(FGCT 2015)

Editorial

We are pleased to release this issue of the **Journal of Information & Systems Management**.

This issue has the following papers. Databases support for the improvement of the quality of software. In the first paper on “**Database Design for Software Tool to Improve the Quality of Software Product using Fuzzy Quality Function Deployment**”, *Swati Bhatia* and her colleague *Ashish Sharma* have used fuzzy to improve the software level.

In the next paper on “**Impact of Refactoring on Code Quality by Using Graph Theory: An Empirical Evaluation**”, the authors *Anam Shahjahan*, *Aisha Zafar Ahmad*, *WasiHaider Butt* and *Usman Qamar* have proposed a new method of code refactoring by using graph theory techniques. They mentioned strongly that early only manual methods were used to identify the classes with high impact in refactoring. The proposed method has been implemented by them and applied on selected software projects developed in java. They did validation by surveying software professionals to measure improve in code quality.

Aniket Bombatkar and *Thaksen Parvat* in the last paper on “**Improvements in Clustering Using Affinity Propagation: A Review**”, have reviewed the data clustering techniques used to separate large amount of data.

More research is coming.

Editors