

Contents

Editorial i

Research

Impact of Information and Communication Technology (ICT) on the Development of Small and Medium Enterprises (SMEs): An Insight from Bangladesh-
Md. Rakibul Hoque 1

Scope Resolution of Logical Connectives in Natural Language Constraints-
Shahzad Akbar, Imran Sarwar Bajwa 14

Technical Aspects of DNA Computing-
Muhammad Asghar 23

Book Review 29

Conference Notification 31

- Ninth International Conference on Digital Information Management (ICDIM 2014)
- First International Conference on Future Generation Information and Communication Technology (FGICT 2014)

Editorial

We are pleased to bring the publication of the first issue in this third volume.

This issue has the following pieces of research. In the opening paper **“Impact of Information and Communication Technology (ICT) on the Development of Small and Medium Enterprises (SMEs): An Insight from Bangladesh”** the author *Rakibul Hoque* has studied the ICT environment in Bangladesh by the analysis on strategy and penetration. He did an extensive indepth qualitative analysis and based on it he proposed the newer plans.

Shahzad Akbar and *Imran Sarwar Bajwa* in their paper on **“Scope Resolution of Logical Connectives in Natural Language Constraints”** have observed the scope ambiguity while translating the NL constraints into formal languages. To solve this issue they proposed a new technique is for handling the scope of logical operators used in NL constraints by using the Markov Logic. They further advocated that we can take correct translation of business constraints into formal specifications by handling the identified cases of scope ambiguities of logical operators.

In the next paper on **“Technical Aspects of DNA Computing”** *Muhammad Asghar* has listed various attributes of DNA that can facilitate computing in solving complex problems by using the concepts of computing and biology. Their intention is to is to explore technical dimensions of DNA computing by identifying the new uses of nucleic acids, problems, right questions, DNA molecules potentials.

Hope the published research in interesting.

Editors