
Editorial

Samarjeet Borah

Department of Computer Applications,
SMIT, Sikkim Manipal University,
Sikkim, 737136, India
Email: samarjeetborah@gmail.com

Biographical notes: Samarjeet Borah is currently working as a Professor and the Head in the Department of Computer Applications, SMIT, Sikkim Manipal University (SMU), Sikkim, India. He has carried out various funded projects from AICTE (GoI), DST-CSRI (GoI), etc. He has published around 90 research papers in various journals and conferences. He is involved with various book volumes and journals of repute from Springer, IEEE, Inderscience and IGI Global as an editor or guest editor. He is the Editor-in-Chief of the book and proceedings series – *Research Notes on Computing and Communication Sciences*, Apple Academic Press, USA. His areas of research are data mining, information security, data science and machine learning.

It is our pleasure to introduce the special issue on digital technologies for enterprise network management. Out of several research works submitted to the issue, five contributions have been selected for publication after extensive peer review process. A brief discussion on the works included in this special issue is stated below.

The first work is on environment adaptive distributed node joining approach and a secure cluster based architecture for MANET. The authors Simpson and Nagarajan propose a distributed node joining approach for MANET which is secure and environment adaptive. They are using a cluster based network model. As claimed and presented the approach reduces the risk factors at the time of node joining. Also, it can maintain the network in a balanced manner. It is expected that the approach will resolve the issues caused by dynamically changing topologies of MANET.

The second work presents a text mining based approach on profile matching of online users across multiple social networks. The authors Srivastava and Roychoudhury propose a method that utilises the contents generated by or shared with users across their online social networks. Words with higher frequencies have been identified in the posts and tweets of the users with the help of text mining techniques. As claimed by the authors the approach works with an accuracy of 72.5% in identifying matching profiles.

The next contribution deals with use of digital commerce in enterprises. Digital technology became the new normal and drives the way of people live, interact and work. This improves the performances of the businesses and removes the overheads in the economy. The effect of digital transformation in business is manifold. It can improve performance, profit and customer satisfaction.

Nagarajan, Sushmitha and Susmitha have presented a design of an enterprise cloud-based intrusion detection system model. The model used back propagation network and particle swarm optimisation. The system utilises a close-by computational lattice to go over malevolent practices in a genuine time way. They are presenting the concept of a wellbeing gadget which makes individual profiles for clients to save music of their usage

conduct as the scientific capacities. They are also proposing a security gadget, named the inner interruption identification and insurance framework.

As the twitter usage is outgrowing every day, the fifth and final contribution presents a performance testing in lexical analysis on latest twitter trends for enterprise network. We can witness a huge amount of data inflow through tweets with trending themes. The trends in enterprises can be tracked by analysing such data. The author is using Hadoop for the performance analysis task and shows the efficiency of the program.

The guest editor of the special issue would like to extend sincere thanks a gratitude to the Editor-in-Chief of *IJENM*, Professor Siau Ching Lenny Koh, all the reviewers and authors involved in this special issue and the publisher.