Editorial

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It is a matter of great privilege for me to present before you the eighteenth issue i.e. Volume 09 Number 02 of the “International Journal of Information Technology” [An official Journal of Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi] with acronym BJIT. The issue is live on the Springer content platform SpringerLink and available to the prospective readers through Springer CS package globally.

Throughout the world, nations have started recognizing that Information Technology (IT) is now acting as a catalyst in speeding up the economic activities in efficient governance, citizens' empowerment, sustainable development and in improving the quality of human life. Recent advancements in IT have touched almost every conceivable area of human life. Its degree of pervasiveness, in day to day life, is rapidly increasing, every new day. On the backdrop of this, BJIT has accepted the challenge to consistently showcase, disseminate and institutionalize the rapidly changing huge knowledgebase globally, with authenticity and accuracy, having special focus on the new researches pertaining to IT applications for improving the quality of day to day life.

Volume 09 Number 02 presents a compilation of ten papers, chosen out of over 80 manuscripts, that span a broad variety of topics from various emerging areas of Information Technology and Computer Science, especially

addressing current research problems related to sharing and securing data on the internet and the different kinds of networks being applied.

Many real time applications on the network today provide high tolerance of long delays, high error rate etc. The first manuscript in this issue “FUZZY-PROPHET: A Novel Routing Protocol for Opportunistic Network”, Khaleel Ahmad et al. proposes a novel routing protocol for an opportunistic network. To meet the increased user demands of technology related services, the second manuscript “Multi-Rumen Anti-Grazing Approach for Load Balancing in Cloud Network”, Sumanta Chandra Mishra Sharma et al. describes a novel multi-datacenter load adjustment technique for assigning tasks to virtual machines of different cloud datacenters. Websites are generally presented as a non-cohesive unit of disparate information. The next manuscript “Web-Content Adaptation using 2D bin Packing Algorithm”, Neetu Narwal et al. presents a technique to remove noise content from different web pages. All organizations across the globe spend a significant amount of their earnings on maintaining security and privacy of their data on the net. The manuscript “A Hierarchical Fuzzy Logic Systems Framework for Data Security”, M. Mohammadian et al. demonstrates application of a hierarchical fuzzy logic classification method for categorizing organizational data based on governmental and business data policies. Communication through any medium or language is only successful in delivering its actual, intended message, if done in accordance with the syntactic rules of the language. The manuscript “Qualitative and Quantitative Study of Syntactic Structure: A Grammar Checker Using Part of Speech Tags”, S. Rashmi et al. describes the prototype and design of an efficient grammar checker. The cyber world today is prone to different kinds of attacks including ransom ware attacks to be most prominent

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presently. The manuscript “Cyber Secure Corroboration through the CIB Approach”, Sherin Zafar demonstrates cyber secure corroboration through the crypt-iris based approach for enhancing data security in the cyber world. Internet of things (IoT) is the next evolution of the internet transferring information between smart objects. The manuscript “Using Clustering Approaches for Response Time Aware Job Scheduling Model for Internet of Things (IoT)”, Zahid Raza et al. intends to improve QoS by routing data through clusters formed using different algorithms. The current exponential growth of internet users and network-based applications poses many big challenges for network administrators and scientists alike. One such big challenge is exhausting the available IP addresses. To address the same challenge US National Science Foundation’s Future Internet Architectures have started a project named data networks (NDN). The manuscript “Survey of Named Data Networks: Future of Internet”, Mayank Aggarwal et al. surveys the outcomes and challenges of this future paradigm. Suspicious nodes can creep and cause havoc in any network today. This has become a common challenge in MANET’s. The manuscript “Reliability assessment of mobile agent based system in suspicious MANET”, Prashant Kumar Mishra et al. applies reinforcement learning to help mobile agents learn a preferable policy to select a suitable pattern on detection of a suspicious node in MANET. Due to use of different social networking sites by the human race, data on the web has proliferated in a big way. This exponential proliferation of big data has further proliferated varied frameworks for mining and analysis of this data. The last manuscript “An Efficient Framework for Real-Time Tweet Classification”, Imran Khan et al. proposes a framework to analyze twitter data and classify tweets on specific subjects to generate trends.

This issue is an amalgamation of novel trends and technologies to address challenges posed by sharing of data across and through the Internet. I am sure, these contributions will definitely enrich our knowledgebase, our readers shall enjoy reading the research showcased in this issue and motivate many of us to take up these challenging

application areas and contribute effectively for the overall prosperity of the mankind.

As a matter of policy, all the manuscripts received and considered for the Journal, are double blind peer reviewed by at-least two independent referees. Our panel of expert referees posses a sound academic background and have a rich publication record in various prestigious journals representing Universities, Research Laboratories and other institutions of repute, globally. Finalizing the constitution of the panel of referees, for double blind peer review(s) of the considered manuscripts, was a painstaking process, but it helped us to ensure that only the best, interesting and novel of the considered manuscripts are showcased and that too after undergoing multiple cycles of review, as required.

I wish to express my sincere gratitude to the entire editorial board, members of the resident editorial team and our panel of experts in steering the considered manuscripts through multiple cycles of review and bringing out the best from the contributing authors. I thank my esteemed authors for having shown confidence in BJIT and considering it a platform to showcase and share their original research work. I would also wish to thank the authors whose papers could not have been published in this issue of the Journal, probably because of the minor shortcomings. However, I would like to encourage them to actively contribute for the forthcoming issues.

I will fail in my duty, if I do not thank the members of the team from the Springer, particularly Ms. Suvira Srivastav, Volker Gotzmann, Rekha Rajkumar and Nidhi Chandhoke from Springer for their constant support in realizing the issue and presenting it before you.

The undertaken Quality Assurance Process involved a series of well defined activities that, I hope, went a long way in ensuring the quality of the publication. Still, there is always a scope for improvement, and so, I request the contributors and readers to kindly mail me their criticism, suggestions and feedback at bjit@bvicam.ac.in and help in further enhancing the quality of forthcoming issues.

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