Guest Editorial Preface

Special Issue on Information Systems:
Security and Management

Nishtha Kesswani, Central University of Rajasthan, Rajasthan, India

This special issue contains six articles on issues related to *Information Systems: Security and Management*.

The lead article investigates current cloud computing adoption in the United States (USA) and United Kingdom (UK) hedge fund industry. Hedge fund technologists, prime service consultants, technology service providers, industry application vendors, investors and an independent information security consultant participated were surveyed for this paper.

The second paper studies the most recent cyber security awareness programs, its attributes, awareness methodologies, frameworks and approaches. The authors have suggested awareness training model to address existing deficiencies in awareness training. The cyber security awareness training model (CATRAM) has been designed to deliver training to different organizational audiences, each of these groups with specific content and separate objectives.

The third studies the R-Tree technique that the open-source PostgreSQL DBMS uses. Focus is on a specific parameter controlling node overflows as an optimization target, and improved configurations are proposed. This parameter is hard-wired into the DBMS, and therefore, an implementation is presented to allow this parameter to become accessible through an SQL construct.

The fourth paper aims to present magnetic resonance imaging (MRI). To aid the identification of presence of abnormality, a novel NB-PKC algorithm for effective recognition of brain hemorrhages in MRI is proposed. A series of preprocessing is done, then the image undergoes Binary thresholding process for applying image mask on the hemorrhage region. Then for segmentation a modified multi-level segmenting algorithm is applied, using minimal local binary pattern and GLCM, combined features are extracted and finally for classification a novel Naïve Bayes- Probabilistic Kernel classification is applied.

In the fifth article, the Marxian Alienation Theory was adopted for the paper. The Ex-post factor method and Derrida's critical method of analysis was utilized for attaining the objectives of the paper. The paper faults recent attempts at eulogizing the impact of AI innovations in the education sector and on human development. Extensive research is proposed as necessary for contemporary scholars of AI and education technologist before proper appropriation can be made about its gains in education and on human development

Finally, in the last paper research work carried out focuses on the application of machine learning methods, data analytic techniques, tools and frameworks in the field of breast cancer research with respect to cancer survivability, cancer recurrence, cancer prediction and detection. Some of the widely used machine learning techniques used for detection of breast cancer are support vector machine and

artificial neural network. Apache Spark data processing engine is found to be compatible with most of the machine learning frameworks.

All submitted papers to the conference went through strict refereeing and examination resulting in a current rejection rate of 69.2%. We are delighted to say that this is in no small part due to the hard work the editorial board and reviewers, in not only refereeing the papers submitted but raising the standard of the quality of papers that we will publish.

In this regard, the guest editors thank all people who have worked with us in planning and organizing technical arrangements. In particular, we are thankful to program chairs for their support; the program committee for their timely reviewing of papers.

Nishtha Kesswani
Guest Editor
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