Guest Editorial Preface

Special Issue On:
Innovations in Web Based Technologies

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The growth of the World-Wide Web today is simply phenomenal. It continues to grow rapidly and new technologies, applications are being developed to support end user's modern lives. This Special Issue is launched to provide a forum and an authoritative source of information in the fields of web-based technologies. It is devoted to innovative research in the analysis, design, development, use, evaluation and teaching of web-based systems, applications, sites and technologies. It offers research outcomes and state-of-the-art recommendations to practitioners - communication managers, public information service officers, webmasters and those responsible for online communities and social media policies.

This Special Issue includes extended versions of some of the papers presented in the 2nd International Conference on Innovations in Computing, which was held in India in 2018.

This Special Issue covers three articles related to the theme of the issue.

The article "Bug Model based Intelligent Recommender System with exclusive curriculum sequencing for Learner-Centric Tutoring" by Ninni Singh and Neelu Jyothi Ahuja proposed Bug model approach for curriculum design and its re-alignment as per requirement and demonstrated through a prototype Tutoring Recommender System SeisTutor developed for this purpose. Experimental results indicate enhanced learning gains through curriculum recommender approach of SeisTutor as against its absence, are presented.

The article "A Step Towards Smart Learning: Designing an Interactive Video-Based M-Learning System for Educational Institutes" by Saurabh Pal, Pijush Kanti Dutta Pramanik and Prasenjit Choudhury designed an interactive video-based smart learning system which allows streaming video of live as well as prerecorded lecture session offering an interactive teaching-learning experience. The application supports both mobile devices and desktop computers. The model is practically implemented with a group of students and their feedback shows a high rate of acceptance of the system while a sizable percentage of them acknowledged that it improved their teaching-learning process significantly.

The article "Geo-Spatial Crime analysis Using Newsfeed data in Indian Context" by Prathap Rudra Boppuru and Ramesha K. established a framework for better prediction of 16 types of crime in India and also focusing on the Bangalore area by providing the co-ordinates of the crime area, along with the crime which might happen there.

In conclusion, the articles presented in this Special Issue demonstrate the fruitful research in the field of Web Based Technologies. We wish to thank both the authors and the reviewers for their hard work in helping us assemble this Special Issue, and also would also like to express our sincere gratitude to the Editor-in-Chief, Prof., Mahesh S. Raisinghani for providing this opportunity and lots of guidance throughout the process.

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