

Guest Editorial Preface

Special Issue on Role of Technology and Human Interaction in Digital Transformation

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INTRODUCTION

International Conference on Emerging Information and Communication Technology Solutions for Digital Transformation - EICTSDT 2018, organized under the aegis of Faculty of Computer Studies, Symbiosis International (Deemed University)'s constituent institutes namely Symbiosis Institute for Computer Studies and Research (SICSR) and Symbiosis Centre for Information Technology (SCIT), Pune.

The Digital transformation initiatives aim to transform nations into a digitally empowered society and knowledge economy by leveraging ICT as a growth engine. The conference EICTS_DT2018 was organized with aims to combine Symbiosis International University's core competencies with Digital Transformation and Digital India Vision under its Faculty of Computer studies. We were specially focused on the Technology and Human Interaction related research papers under our conference theme for this special issue.

This special issue offers a unique platform for researchers, professionals, government officials and Students to deliberate on covering several domains under the theme "Emerging ICT Solutions for Digital Transformation." The special issue aligned to this conference aims in covering Technology and Human Interaction aspects in building Digital Nations aligned with the aims and goals of the IJTHI. This issue encouraged and invited original and innovative research work in relevance with the conference theme. The conference ensured the presentation and discussion on quality research work done in recent times by academicians, researchers, students, industry experts, analysts, business managers and practitioners. Plenary sessions by recognized researchers and presentation of research papers accepted after quality review process are the major attractions for the research fraternity across industry and academia. The selected quality research papers as per the requirement of the journal have been published in this special issue.

The focus of this special issue was in providing a platform to researchers from across the globe to deliberate on emerging innovations in the fields of technology related to human interaction to facilitate building digital nations. The idea is to support learning and possible adaptation, in future based upon the shared innovations and best practices during the conference – EICTSDT2018. The topics merely focused but not limited to, are Internet of Things, Data Sciences, Machine Learning, Digital Signal Processing and Information Security.

AIM AND SCOPE OF CONFERENCE

This conference put insights on:

- Exploring the idea of researchers to empower government processes and functioning;
- To create, disseminate and enhance capacity building using digital transformation;
- To establish a framework of accountability, roles, and decision-making authority for an organization's or nation's digital presence;
- India is currently embarking on a digitally enabled innovation idea. With the Government's vision of a 'Digital India', the country has commenced a journey towards digital transformation in the lives of citizens across the country. Without doubt, 'Digital India' will empower citizens, improve the governance in all areas, put learning over education, help in re-skilling the people, create new sustainable employment opportunities, change and improve the overall IT sector;
- While the benefits emerging from the use of digital technologies are highly significant, the challenges emanating from the same cannot be ignored. In order to stay relevant to the context, organizations need to have a right management approach to effectively digitalize their activities. All the stakeholders of 'Digital India' will interpret and utilize it in their own ways, bring their own management perspective. However, managing these perspectives and using the management method of co-creation would be the most ideal way to identify the challenges and evolve solutions, this would be the key to the success of 'Digital India' idea.

LIST OF PUBLICATIONS

This special issue contains a total of six papers as listed below and presented in International Conference on Emerging Information and Communication Technology Solutions for Digital Transformation (EICTSDT-2018) that was organized in Pune (Maharashtra), India during March 8-9, 2018:

1. **Paper Title:** A Survey on Automatic Screening of Diabetic Maculopathy Using Image Processing
Author 1: Shweta Raviraj Reddy, Poojya Doddappa Appa College of Engg, Gulbarga, India
Author 2: Shridevi Soma, Poojya Doddappa Appa College of Engg, Gulbarga, India
2. **Paper Title:** Impact of Hedonic Evaluation of Technological Innovations on Revisit Intention in a Store Digitalization Context
Author 1: Mbaye Fall DIALLO, Univ. Lille (FFBC-IMMD), SKEMA Business School, EA4112 - LSMRC
Author 2: Isabelle Collin - Lachaud, Univ. Lille (FFBC-IMMD), SKEMA Business School, EA 4112 - LSMRC
3. **Paper Title:** Feature Learning for Offline Handwritten Signature Verification Using Convolution Neural Network
Author 1: Amruta Bharat Jagtap, Solapur University, Solapur, India
Author 2: Ravindra S. Hegadi, Solapur University, Solapur, India
4. **Paper Title:** QoS Based Efficient Resource Allocation and Scheduling in Cloud Computing
Author 1: Harvinder Chahal, IKGPTU Kapurthala, Punjab, India
Author 2: Anshu Bhasin, IKGPTU Kapurthala, Punjab, India
Author 3: Parag Ravikant Kaveri, SICSr, Pune, India
5. **Paper Title:** Script Identification of Camera Based Bi-Lingual Document Images using SFTA Features
Author 1: B. V. Dhandra, SICSr, Pune, India
Author 2: Satishkumar Mallappa, Gulbarga University Kalaburagi, India
Author 3: Gururaj Mukarambi, SICSr, Pune, India

6. **Paper Title:** Handwritten Kannada Numerals Recognition by Using Zone Features and CNN Classifier
Author 1: Vishweshwrayya C. Hallur, Bharathiar University, Coimbatore, Tamilnadu, India
Author 2: Ravindra S. Hegadi, Solapur University, Solapur, India

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