INTRODUCTION

The Digital transformation initiatives aim to transform nations into a digitally empowered society and knowledge economy by leveraging ICT as a growth engine. The present conference EICTSDT 2018 aims to combine Symbiosis International (Deemed University)’s core competencies with Digital Transformation and Digital India Vision under its Faculty of Computer Studies. EICTSDT 2018 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 conference aims in covering both business and engineering aspects due to emerging trends in ICT for building Digital Nations. The conference encourages and invites original and innovative research work in relevance with the conference theme. The conference ensures 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 key note speakers and presentation of research papers accepted after quality review process is the major attraction for the research fraternity across industry and academia.

AIM AND SCOPE OF CONFERENCE

This conference aims at:

- 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 brings 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.

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.

Gartner (Gartner, 2000 and Kaur R 2016) mentions, “E-government is the continuous optimization of service delivery, constituency participation and governance by transforming internal and external relationships through technology, the Internet and new media.” The e-government is the use of information and communication technologies (ICTs) to improve the activities of public sector organizations (Bertot, 2010) and (Jindal, 2016).

The telecommunication networks provide the services for digital transformation with the help of multimedia and data forwarding. Soft computing techniques, such as fuzzy logic, neural networks, genetic algorithms (Teece, D. J. 2010) have replaced conventional techniques in many engineering applications, especially in control systems and have been proved to be very effective.

Education has become accessible to all with the growing popularity of MOOCs (Massive Open Online Courses) and SPOCs (Small Private Online Courses) (Kaplan et. al, 2016) owing to the digital revolution. Digital technologies will not only affect the way courses are delivered, but also impact the functioning of an organization (Brynjolfsson & McAfee, 2012). Attempts are being made to implement MOOCs in India.

LIST OF PUBLICATIONS

This special issue contains a total of four 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.

Paper title: A Novel Architecture for learner-centric curriculum sequencing in adaptive intelligent tutoring system:
  ◦ Author 1: Ninni Singh
  ◦ Author 2: Amit Kumar
  ◦ Author 3: Neelu Jyothi Ahuja

Paper title: Enhancing New Product Development Effectiveness through Internet of Things Origin Real Time Data:
  ◦ Author 1: Samir Yerpude
  ◦ Author 2: Tarun Kumar Singhal

Paper title: Exploring E-Governance of Faculty Evaluation System using a Total Interpretive Structural Modeling Approach:
  ◦ Author 1: Naim Shaikh
  ◦ Author 2: Sneha Kumari
  ◦ Author 3: Kishori Kasat
Paper title: Developing an Information Security Risk Taxonomy and an Assessment Model using Fuzzy Petri Nets:
  ◦ Author 1: Dhanya Pramod
  ◦ Author 2: Vijayakumar Bharathi. S

Lalit S. Kathpalia
Sachin A. Naik
Dhananjay Deshpande
Pravin S. Metkewar
Shrikant Mapari
Guest Editors
JCIT

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REFERENCES


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