

52nd Annual Convention of Computer Society of India (CSI 2017)

As

Indian National IT Congress

In conjunction

International Conference on “Social Transformation – Digital Way”

January, 19-21, 2018, Science City, Kolkata

Relevance of the topics of the event with electronics, communication and IT and its current linkage to the thrust areas:

CSI is the largest association of IT Professionals in India with membership strength of over 100,000 in 73 chapters and 500 Student Branches all over the country. The purposes of the Society are scientific and educational - directed towards the advancement of the theory and practice of computer science and IT. CSI was founded in the year 1965 and during all these years the Society has implemented many pioneering initiatives in promoting Information Technology, Computer Education and Research throughout the country.

CSI is holding its 52nd Annual Convention (CSI-2017) in Kolkata from 19 to 21 January 2018 in conjunction with an International Conference with the theme “SOCIAL TRANSFORMATION - DIGITAL WAY”. It is expected that more than 1000 IT Professionals and Students from all over India and abroad will participate. The theme holds greater significance in the context of the current trend in the field of information technology to transform the social fabric of the society. Given this context, the deliberations of CSI 2017 will be watched keenly by the industry experts and academic fraternity and will give important inputs to the Government & Policy Makers to visualize the future of Digital India. Like previous conventions, the event “CSI-Nihilent eGovernance Awards” will attract many participants from all over the country.

Each Annual Convention in Kolkata is preceded by a Tutorial, popularly known as **Pre-Convention Tutorial**. The Tutorial will be held at University of Calcutta (Technology Campus) on 18 January 2018. The Tutorial is generally organized for the young learners of the upcoming subjects, woven around science and technology. Besides, the convention will comprise business sessions, plenary sessions, and invited lectures by eminent speakers of national and international repute, panel discussions and session papers.

The galaxy of speakers who have confirmed their participation includes some of the Who's Who of the Industry. Distinguished Speakers from India, Asia, South East Pacific Region, Europe & USA will attend the conference to give an international flavor. The sessions will be enriched by their presence and also attract significant visibility for the event.

VISIBILITY

CSI has one of the widest networks of IT professionals. As a sponsor all communications will carry your branding, thus reaching every corner of the country. Connect face to face with 750+ professionals representing some of the top corporate in the country. Your representatives can get the opportunity to speak to them personally and promote your brand during all the 3 days.

The CSI 2017 organized by Computer Society of India Kolkata Chapter is involving various International Researchers and Academicians, and Industry Dignitaries. We shall have among us

dignitaries and eminent technical speakers from premier academic and research institutes in India namely, Indian Institute of Science Bangalore, Indian Institute of Technology Kharagpur, Indian Statistical Institute Kolkata, Indian Institute of Management Bangalore, etc. In addition, some leading academic and research luminaries representing Universities/ Institutes of International repute from abroad have also confirmed their presence during the event.

The intellectuals will be interacting and will explain their proposals in the arena of digital transform for the integration of digital system into our society. The topic will covers during four days including tutorials are as follows with relevance to IT and electronics scenarios

1. Prediction of students placement probabilities
2. Diabetes Mellitus Risk Factor Prediction
3. Eye tracking with evolutionary head movement for vision based rehabilitation
4. Detection of Biological Nano Objects
5. Evaluation of Bacterial Blight in a rice plant
6. Segregation of speech and songs
7. Digital photo Trichogram for hair fall diagnosos
8. Identification of Benign and Malignant cells from Cytological Images
9. Human brain segmentation using optical geometry
10. PV cell operated motor to drive fans and pumps in rural areas
11. Mobile governance using Sanskrit grammar

The topic to be covered in various sessions in terms of invited talks panel discussions, Industrial interactions in the form of Start up , Internet Governance, Digital mapping of Earth, E-Governance security, Biotechnological applications are

❖ **Interaction of Academic and IT industry experts with participants in terms of state of the art Tutorial sessions on the topics**

- Cloud Computing & Security in It industry and e-governance
- IoT & Data Science
- Machine Learning
- Technology for Social Development
- Green Computing and its application in IT industry
- VLSI Design and its relivence in It industry
- Fault Resilient Embedded Systems with applications
- Cognitive Radio NW in 5G-Technology and application
- Compressed Sensing in It and social applications
- Social Computing
- Face Recognition and social applications

❖ **Interaction of Academic and IT industry experts with participants in terms of state of the art Keynote Address and invited lectures on the topics**

- Formal Verification of Robustness Properties of Hybrid Systems
- Technical Writing and Publication Ethics.
- Spiritual / Motivational Talk.

- Looks after the digital impact on social transformation.
- IT in Judiciary E-Governance, E-Learning and Confidence based Learning.
- Vehicular Communications and its future prospect.
- Cyber Physical System & Smart City.
- Startups: The future Opportunities in Information Technology: Succeeding in the merging Landscape.
- Signal Processing, Microwave and Communication Engineering.
- Electronic Devices, Circuits and System.
- Data Science and Data Analytics.
- Security and Forensics.
- Biomass Electricity at off-grid area