KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY

Tholurpatti (Po), Thottiam (Tk), Trichy (Dt) – 621 215, Tamilnadu, India.

A Detailed Report on the 1ˢᵗ International Conference on Innovations in Electrical, Information and Communication Engineering (ICIEICE'17)

Organized By

CSI & IQAC and Department of CSE,ECE,EEE & IT

24ᵗʰ & 25ᵗʰ March 2017

Kongunadu College of Engineering and Technology (KNCET) was established in the year 2007 by Kongunadu Educational Charitable Trust with the objective to provide value based quality technical education to rural people with global competency. When the institution was five years old, the management was recommenced by Dr.PSK.R.Periaswamy, a fast emerging industrialist. The college has the vision to become an Internationally Renowned Institution in Technical Education, Research and Development by Transforming the Students into Competent Professionals with Leadership Skills and Ethical Values. The college offers under-graduate courses in CSE, ECE, EEE, Mechanical, Civil under B.E and IT under B.Tech. The college also offers post-graduate M.E. courses in Computer Science & Engineering, CSE (with Specialization in Networks) ,Embedded System Technologies and Applied Electronics.

The college is approved by AICTE, New Delhi,India, affiliated to Anna University, Chennai, Tamilnadu, India and Accredited by National Assessment and Accreditation Council (NAAC) with B++ Grade,India. Kongunadu College of Engineering and Technology (KNCET) is committed to build and sustain itself as an institution where quality is the hallmark in each and every activity.

The department of CSE,ECE,EEE & IT in association with CSI & IQAC organized the Two Days **"First International Conference on Innovations in Electrical, Information and Communication Engineering (ICIEICE'17)"** at Kongunadu College of Engineering and Technology, Thottiam, Trichy, Tamilnadu during March 24 & 25 ,2017. ICIEICE'17 conference has established itself as a worldwide reference for the dissemination of high-quality research in all aspects of Electrical, Information and Communication Engineering for fostering interaction and exchange of ideas.

ICIEICE'17 is fortunate to attract a high interest among the community, and the main conference received 482 submissions which span into 03 tracks such as Scientific computing ,Smart Networking and Intellectual Systems. The high number of submissions provided an excellent opportunity for a high-quality program, but also called for a demanding and a laborious paper valuation process. The members of the Technical Program Committee worked efficiently and responsibly under tight time constraints to produce at least three reviews for each paper that provided the basis for the final paper selection. To allow the conference participants to benefit from further worthwhile and stimulating research results, 135 papers were accepted for presentation co-located with the main conference

The main program of ICIEICE17 covers two days and includes streams of up to three technical parallel sessions. The program is further enriched by four keynote presentations offered by world-renowned researchers in the field, address topics in Artificial Intelligence in Defense and Space, Control of Robotic Systems, Secure Multi Party Computation and Current Trends in Cloud Computing, Big Data and IOT. The Journal Partners are Computers and Electrical Engineering (Elsevier), The Online Journal of Distance Education and e-Learning, Advances in Electrical and Electronic Engineering, Advances in Natural and Applied Sciences, International Journal of Computer Applications and Discovery Journals.

INAUGURATION

The International Conference was started by an inaugural function with lightening the lamp by dignitaries followed by invocation at 10am in seminar Hall-1 on March 24th,2017.

The welcome address was delivered by conference chair Dr.J.Yogapriya,Dean (R&D),KNCET, Principal address was given by Dr.R.Asokan, Principal, KNCET. Dr.PSK.R.Periaswamy, Chariman,Kongunadu Educational Institutions presided over the function. Felicitation address was given by Dr. V. Sankaranarayanan, National Institute of Technology,Trichy and Dr. B.Balamurugan,VIT University, Vellore.The Chief Guest for the function was Dr. S.Krishnakumar, Senior Officer, DRDO,Chennai.

SOUVENIR RELEASE

The Chief guest released the Souvenir of the International Conference which is a compilation of the abstracts of the research papers of the participants. During his inaugural address, he talked about the importance of Research and challenges, writing a quality papers,r esearch project proposals and patent. He also shared his working experience with Dr.A.P.J.Abdul Kalam. His speech was really inspired by the participants.

After the inaugural function, Dr. S.Krishnakumar, Senior Officer, DRDO delivered the keynote address on the topic of **"*Artificial Intelligence in Defence and Space* ".**

Dr. V. Sankaranarayanan, Professor/EEE, National Institute of Technology,Trichy delivered the keynote address on the topic *of* **"*Control of Robotic Systems".***

Dr. B. Balamurugan Associate Professor, School of IT&E,VIT University, Vellore delivered the keynote address on the topic of *"Current Trends in Cloud Computing , Big Data and IOT".*

Dr. Durgesh Kumar Mishra, Editor-Springer and Professor/Computer Science and Engineering ,Sri Aurobindo Institute of Technology, Indore, Madhya Pradesh delivered the keynote address on the topic "**Secure Multi Party Computation".**

The conference was conducted in 3 technical sessions named Scientific computing ,Smart Networking and Intellectual Systems. The technical sessions were chaired by Dr.B.V.Manikandan Professor/ EEE,Mepco Schlenk Engineering College,Sivakasi, Dr.S.Anand, Professor / ECE, Mepco Schlenk Engineering College, Sivakasi,Dr. K. Muralibabu ,Vice Principal & Professor/ECE, Podhigai College of Engineering and Technology, Thirupattur, Dr.K.Devaki,Professor/CSE, Rajalakshmi College of Engineering, Chennai,

Dr.M.Alamelu, Associate Professor(SG)/IT, Kumaraguru College of Technology, Coimbatore and Dr.A.Rathinam, Associate Professor/EEE, Paavai Engineering College, Namakkal.

Technical Parallel Session 1 : Scientific computing

Technical Parallel Session 2 : Smart Networking

Technical Parallel Session 3 : Intellectual Systems

CULTURAL EVENTS PERFORMED BY KNCET STUDENTS

The final ceremony is valedictory,which was addressed by Dr.R.Asokan, Principal, KNCET, Dr.B.Balamurugan ,VIT University, Vellore along with chief guest Dr. Durgesh Kumar Mishra ,Sri Aurobindo Institute of Technology, Indore, Madhya Pradesh. Dr.Durgesh Kumar Mishra has given guidelines to the participants for writing a research paper. He also motivated the participants and explained about 4 dimensions of research such as Reading, Writing, Thinking and Discussing. A very positive feedback was given by some of the participants. Dignitaries distributed the certificates to all participants. The conference ended with vote of thanks given by Dr.J.Yogapriya, Conference Chair ICIEICE17. She expressed his gratitude towards all the keynote speakers, session chairs, participants and all organizing committee members and volunteers, which contributed towards the success of the event.

Dr.R.Asokan, General Chair, Principal, Welcomed the gathering for Valedictory Function on March 25th,2017.

Dr.Durgesh Kumar Mishra given the valedictory Speech on March 25th,2017

Session chairs has selected three best papers from technical sessions that are presented to J.Booma, Assistant professor/EEE, PSNA College of Engineering and Technology, Dindigul, Sabiq P.V. Research Scholar Pondicherry Engineering College, Puducherry. R. Abinaya   M.E(CSE) MIT Campus, Anna University, Chennai .

Some of the authors receiving certificates from Session Chairs

Some of the authors receiving certificates from Dr.Durgesh Kumar Mishra and Dr.B.Balamurugan

Some of the authors expressing their oral feedback

Dr.J.Yogapriya ,Conference Chair,Dean(R&D) proposed the vote of Thanks on March 25th,2017

We thank our Keynote speakers, who come here and address the recent technologies and has given guidelines to organize this conference. We would like to express our sincere thanks to all session chairs to give their valuable comments to participants. We thank our Journal Partners of Computers and Electrical Engineering (Elsevier), The Online Journal of Distance Education and e-Learning, Advances in Electrical and Electronic Engineering, Advances in Natural and Applied Sciences, International Journal of Computer Applications and Discovery Journals. We are grateful to all authors who trusted us with their work; without them there would be no conference. The final result would not have been possible without the dedication and hard work of many colleagues. We appreciate the support of our sponsors, the Computer Society of India (CSI), our KNCET Internal Quality Assurance Cell (IQAC) and SR systems.

We thank our beloved Chairman, Dr. PSK. R.Periaswamy, Chief Patron of ICIEICE'17, who always motivate us to do innovative activities for the benefit of students and our dynamic principal, Dr. R. Asokan, General Chair of ICIEICE'17, for his vision and leadership. Special thanks to Conference Co-chairs, Organizing Secretaries and Publication Chair, and the faculty members and students of KNCET, Technical Program Review Committees and to all external session chairs for the quality and depth of the reviews, and their sense of responsibility and responsiveness under very tight deadlines. We had insightful presentations, discussions, and sharing of technical ideas with colleagues from around the colleges. This conference induced innovative ideas among the participants paved the way for new inventions and new technologies in the field of CSE, ECE, EEE& IT. We are sure that this conference will be a milestone in ensuring the highest standards in this profession.