

DEPARTMENTAL HIGHLIGHTS

Scientific and Industrial Research Organisations (SIROs) Recognition

KIET Group of Institutions, Delhi-NCR, Ghaziabad (UP), under Krishna Charitable Society recognized as a Scientific and Industrial Research Organisations (SIROs) by the Department of Scientific and Industrial Research (DSIR), Ministry of Science and Technology, Government of India. Its primary objective is to bring together voluntary organizations operating in non-commercial sector with a view to promote their activities in the area of scientific and industrial research, design and development of indigenous technology to achieve technological self-reliance and minimized foreign inputs. This prestigious recognition help KIET to establish in house Research and Development on new technologies, products, processes etc. It also provides a link between scientific laboratories and industrial establishments for transfer of technologies through National Research Development Corporation (NRDC) and facilitates investment in R&D through Central Electronics Limited (CEL).



KIET-NI LabVIEW Academy (Centre of Excellence)

KIET Group of Institutions in collaboration with National Instruments (India) has set up KIET-NI LabVIEW Academy (Centre of Excellence) at ECE Department, KIET Group of Institutions, Ghaziabad. This Academy has been conducting the Employability Enhancement Program for Indian engineering graduates to provide cost effective access to world class latest technology through classroom teaching-learning. The KIET-NI LabVIEW Academy is the authorized center in ECE Department to provide the CLAD certification course training and hands-on Hardware modules like MyDAQ, MyRIO, sbRIO, WSN, Bio-Medical Sensors, ELVIS, USRP RIO, etc., using LabVIEW for engineering students, faculty and industrial personnel. The KIET-NI LabVIEW Academy also provides facilities for students to carry out their undergraduate and postgraduate projects.



Robotics and Mechatronics Lab



Center of excellence of Robotics and Mechatronics has also been established by the Electronics and Communication Engineering Department of KIET Group of Institutions. E-Yantra Lab has also been established by the ECE Department which is sponsored by IIT, Bombay. Robotics and Mechatronics Lab are beyond the AKTU syllabus. This lab is very useful for all the other departments of engineering. In this lab we have Fire Bird V, Fire Bird VI, Fire bird XII, and Four Wheel based robots. We also have a humanoid in this lab which is designed by 20 servo motors.

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4th International Conference on Recent Trends in Communication & Electronics

28th-29th November, 2020

Sponsored by



AICTE
(All India Council for
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Conference proceedings will be published online on CRCnetBASE (Taylor & Francis) and all the camera ready papers will be presented through online mode only



Organized by

Department of Electronics and Communication Engineering
KIET Group of Institutions, Delhi-NCR, Ghaziabad

(Recognized as a Scientific & Industrial Research Organisations (SIROs) by Department of Scientific and Industrial Research (DSIR), New Delhi and NIRF Ranking among the "Top 250" in India (overall category) - 2020)

ABOUT KIET

Krishna Institute of Engineering & Technology (KIET) was established in 1998 by Krishna Charitable Society at Ghaziabad, U.P. It is located on the Ghaziabad – Meerut Highway. Presently, KIET Group of Institutions has more than 5400 students on its roll, a substantial growth in 21 years, to meet the needs of quality technical education in U.P. The institute is accredited by National Assessment and Accreditation Council (NAAC) with Grade 'A' for 5 years and certified by ISO 9001-2008. KIET has been awarded "Excellence Award" by our parent University, Dr. A.P.J. ABDUL KALAM Technical University for imparting quality education. KIET Group of Institutions is among Top 250 institutions in India as per NIRF ranking of 2020 and repeatedly earned a vital position in the Overall Rank Band of 151-200 for Engineering discipline amongst 906 Engineering Institutions in 2018 and among 1007 Engineering Institutions in 2017 by National Institutional Ranking Framework (NIRF) - India Ranking by MHRD, Govt. of India. KIET is an approved Research Centre of Dr. A.P.J. ABDUL KALAM Technical University with unique global standards of teaching learning experience, Research & Development, quality placement and Entrepreneurship.

ABOUT THE DEPARTMENT

The Electronics and Communication Engineering Department of KIET has a reputation of being among the finest in the state and is dedicated towards the advancement of technology and science. The department was established in 1999 with the objective to impart quality education in the core field of Electronics and Communication Engineering. The department was accredited in the year 2007, 2013, 2017 and 2019 by National Board of Accreditation (NBA) of AICTE. The department has an excellent industrial interaction and contributes to the industry by offering consultancy services.

ABOUT THE CONFERENCE (ICCE-2020)

Recent Trends in Communication & Electronics (ICCE -2020) is going to be held in the Department of Electronics and Communication Engineering, KIET Group of Institutions, Ghaziabad, Uttar Pradesh, India on November 28 -29, 2020. As new technologies are introducing every day that will drastically transform the future of this Electronics and Communication Engineering. The aim of the conference is to provide a forum to researchers around the globe to explore and discuss on various aspects of fields. The conference consists of various sessions and includes keynote and parallel sessions. Each session will be addressed by outstanding experts who will highlight the recent advances in various facets of Electronics and Communication Engineering. It will also offer the budding researchers an opportunity to present their work in front of eminent experts of their fields. Discussion on the latest innovations, trends and practical concerns and challenges faced in these fields are also encouraged. Innovation will bring added value and widen the employment base. The present conference attempt to establish some robust and mutual interactions and cooperation with scientific educational, governmental and non-governmental organizations, and industries across local, national and international levels to meet the following objectives:

- Ø Creating contacts as possible to provide a means for scientific and industrial exchanges.
- Ø Boosting the scientific and research collaborations with other scientific centres in the country and around the world.
- Ø Promoting the basic and applied research in Electronics and Communication Engineering, identifying the top ideas and turning them into productive projects.
- Ø Strengthening the interaction and communication between educational institutions and the industries.
- Ø Finding out the latest scientific achievements and research methods.
- Ø To encourage academicians for doing more research work and innovations.

PARTICIPATION

The Conference is aimed at an exchange of ideas and concepts among a broader group including:

- Ø Academicians
- Ø Students
- Ø Researchers
- Ø Entrepreneurs and Business Leaders
- Ø Innovators

CONFERENCE TRACKS

Track 1: Satellite, Radar and Microwave Techniques

MIMO Systems, Microwaves and RF Devices and Circuits, Electromagnetic Compatibility and EMI Satellite/Deep Space and Underwater Communication Systems, Networks/Networking IP Over Satellite, Multimedia Broadcast and Streaming, Target Detection and Tracking Modeling, Design and Synthesis of Meta material/Meta surfaces Antenna Design and Applications, ·Multiband, Adaptive and Configurable Antenna Wireless Sensor Networks

Track 2: Secure, Smart, and Reliable Networks

AI/ML for Smart/Intelligent Communication Networks, ·Cognitive Radio Protocols and Methods for Network Security, Reliability and Energy Efficiency Security, Privacy, and Data Integrity Radio Resource, Network and Service Management and Control, Mobility and Location Management Performance Evaluation Issues and Methods

Track 3: Next Generation Networks

5G, Massive MIMO, LPWAN, Network on Chip, Wireless Mobile And Optical Broadband Fog/Cloud-Based IoT Architectures, SDR, SDN, SON, and Cognitive Radio Spectrum Sensing And Management Machine-To-Machine, Device-To-Device, Vehicle-To-Vehicle Communications NB-IoT, IIoT, IoV, Real Time Applications of IoT

Track 4: Devices & Circuits

Device modeling & characterization, Advanced CMOS devices and process Analog and mixed signal Ics, MEMS and semiconductor sensors Embedded Systems; Reliable and Reconfigurable, System, Neural Network and Fuzzy Logic, Microcontrollers and Microprocessors, Advanced, Microelectronics / VLSI Design.

Track 5: Signal & Image Processing

Image / Video / Multimedia Signal Processing, Audio / Speech / Spoken Language Processing Digital & Multirate Signal Processing, Signal Processing Algorithms and Architectures Biomedical Signal Processing and Analysis, Pattern Recognition and Object Tracking Compressive Sensing and High-Dimensional Statistics Pattern Analysis and Classification of Images using AI/ML/DL techniques Computer and Machine Vision, GIS and Remote Sensing

Track 6: New Emerging Technologies

Green Computing, Smart Grids, Artificial Intelligence (AI) & Machine Learning Deep Learning & Cognitive Computing, Fog Computing, Cloud Computing, Urban Intelligence

GUIDELINES FOR AUTHORS

Soft copy of the full length paper in the given MS word format must be submitted before **30th October 2020** on conference website <http://www.kiet.edu/icce2020>. The research paper can also be submitted at Email Id: icce2020@kiet.edu. All the submitted Full Length Papers will be reviewed and evaluated based on the originality, technical aspects, research depth, authenticity of the data used and relevance to the theme of the conference. The work should be original and should not have been published in any Journal or proceedings. The acceptance/rejection notice will be intimated to author by 07th November 2020. All papers will be submitted through easy chair at given link:

<https://easychair.org/conferences/?conf=icce20200>

PUBLICATION AND INDEXING

The finally accepted papers will be considered for presentation (via online mode only) and publication in the conference proceedings. ICCE-2020 is approved by CRC Press(Taylor & Francis Group). The Conference proceedings will be submitted to Scopus for indexing.

IMPORTANT DATES

Full Paper Submission Deadline	30 th October 2020
Acceptance of Full Paper	07 th November 2020
Camera Ready & Last date of Registration	10 th November 2020
Date of conference	28 th -29 th November 2020

REGISTRATION FEE

Category	Attendee	Research Scholars/Students		Academicians	Industry
		B.Tech/M.Tech	Ph.D		
Indian Origin	Rs. 1000/-	Rs. 6000/-	Rs. 7000/-	Rs. 7500/-	Rs. 8000/-
SAARC Countries	\$50	\$150	\$200	\$250	\$300
Non SAARC Countries	\$50	\$150	\$200	\$300	\$350

* Note:

- Ø Please note that **B.Tech/M.Tech/MCA** students will be considered as Full time students and maximum paper length is **04** printed pages as per conference template.
- Ø Maximum paper length is of **05** printed pages as per conference template for **Ph.D., Academicians and Industry participants**. However, the authors can extend maximum 1 page with over length page charge, of Rs. 1000/- (for Indian participants) and US \$50/- (for International participant).
- Ø We will also accept **short-high quality paper upto 3 pages** (per conference template). Short papers will get a **15% off in the registration fees**.

MODE OF PAYMENT

Payment through NEFT/RTGS/IMPS or DD in favour of KIET Group of Institutions payable at GHAZIABAD

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