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Important Dates:

Deadline for Paper submission	30.08.2023
Notification of Review & Paper Acceptance	10.09.2023
Close of Registration	30.09.2023

Registration Details:

Category	paper Amount	Page limit
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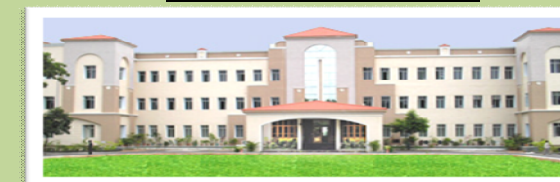
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About the Institution

Kakatiya Institute of Technology and Science, **Warangal** popularly known as **KITSW**, established in **1980** by **Ekasila Education Society (EES), Warangal,** a philanthropic society, with a primary objective of providing quality technical education. KITSW is approved by the AICTE and recognized under section 2(F) and 12(B) of UGC act 1956. The UGC has granted autonomous status in 2014 under Kakatiya University (KU), Warangal. It is accredited by the NAAC with A grade (CGPA: 3.21) and all the eligible UG engineering programs are accredited by the NBA, New Delhi.

Located in 68 acres of lush green sprawling campus, it is one of the premier institutes of Telangana. Over the years, it has attracted academicians of proven competence onto its faculty, augmented the infrastructural facilities, modernized laboratories, placed its products in reputed organizations all over the world and thus received recognition in industry and academia. At present, it is offering UG in eleven branches of engineering, PG in eight engineering specializations and MBA. The KU recognized CE, ME, E&I and CSE departments as research centers for PhD programs. The faculty at KITSW is now integrating Innovation, Incubation, Research and entrepreneurship (I²RE) culture into course teaching to prepare students to gain tech skills for industry 4.0.

About the ECE Department

The Department of Electronics and Communication Engineering was established in 2000 with an intake of 45 and subsequently increased to 180. In 2008, the department was accredited for the first time by National Board of Accreditation (NBA), New Delhi under Tier II for a period of 3 years. Since then, the department has been getting timely reaccredited and at present its accreditation status is active till June 2024.The department has started B. Tech in Electronic Communication and Instrumentation (ECI) engineering with an intake of 60. During the academic year 2020-21, the department has started M. Tech in Communication Engineering and Signal Processing (CESP) specialization with an intake of 30, later the department has reduced the intake of CESP from 30 to 12 from the academic year 2022-23. The department has 35 dedicated and qualified faculty with 3 Professors, 8 Associate Professors, and 23 Assistant Professors. Seventeen faculty members have Ph.D., and 16 faculty members are pursuing Ph.D. Three centers of excellence are established in the department: (i) Transfinite iLab, (ii) TIIC in association with TITA, and (iii) BLACKBUCK CoE. The department has 11 very well-equipped and modernized laboratories to cater to the needs of UG and PG courses. Recently the department of ECE organized 4th International Conference ICDECT-2020 on 25-26 Sep., 2020, 5th International Conference ICDECT-2021 on 27-28 Aug., 2021 and 4th International Conference IC3T-2022 on 29-30 July, 2022

Previously Received Funds by the Department

Prof. K. Ashoka Reddy received Rs. 6.5 lakh in 2017 from the AICTE toward a 2 Week FDP on "Hands on approach of OFDM system designing in MATLAB". Dr. M. Chandrasekhar, Asst. Prof., got Rs. 45.00 lakh research grant in 2018 from the SERB of DST on "Design and Development of printed micro strip Antennas for LTE & GPS Applications". Sri A. Srinivas, Asst. Prof., received a seminar grant of Rs. 7.0 lakh on "Deep Learning," in 2019 from DST. For academic year 2020-21, the AICTE has sanctioned one STTP with Rs. 3.4 lakh, one FDP with Rs. 5.6 lakh to Prof. K. Ashoka Reddy and one MODROBS sanctioned with an amount of Rs. 6.78 lakhs to Prof. B. Rama Devi, Prof., Dept. of ECE.

Objective of the Conference

The objective of this **Scopus indexed International Conference on Computer & Communication Technologies (IC3T) 2023** is to present a unified platform for advanced and multi-disciplinary research towards design of smart computing, information systems, electronic systems. The theme focuses on various innovation paradigms in system knowledge, intelligence and sustainability that may be applied to provide realistic solution to variegated problems in society, environment and industries. The scope is also extended towards deployment of emerging computational and knowledge transfer approaches, optimizing solutions in a variety of disciplines of computer science, Electronics and Communication Engineering, Electrical Engineering, Electronics and Instrumentation. The conference proceedings aim to publish unpublished work pertaining to the topics mentioned below. The conference is scheduled to be held on 6-7 October 2023 at Kakatiya Institute of Technology & Science (KITSW), Warangal, Telangana, India

The conference mainly focuses to offer a real opportunity to bring together scientists of different disciplines, to discuss new issues, to tackle complex problems and to find advanced solutions breeding new trends in Computational Science, Electronics and Communication Engineering, Electrical Engineering and Instrumentation. Conference will also provide a platform for research community and industry to share the recent developments, and to discuss about the discoveries in computational intelligence and informatics.

List of Topics

The conference papers will cover disciplines of computer science, Electronics and Communication Engineering, Electrical Engineering and Instrumentation. **The topics of interest include, but not limited to the following**:

- 5G Wireless Communications
- Wireless Sensor Networks
- Graphics and Image Processing
- Signal and Image Processing
- DSP Architectures
- Microelectronics, Circuits and Systems
- Low Power VLSI Circuits
- Remote Sensing
- Electromagnetics
- Antenna, Smart Antennas
- Microwave Engineering and Microwave Circuits
- Embedded Systems
- Biomedical Image Processing
- Machine Learning
- Millimeter Waves
- Internet of Things
- Computer Vision and Pattern Recognition
- Big Data & Quantum Computing

- Green IT and IT for rural Engineering
- Mobile Computing and Applications
- Artificial Intelligence
- Optimization Algorithms
- Information Technologies
- Biomedical Signal Processing
- Broadband Mobile Communications
- MIMO Systems
- Deep Learning for Communication Systems
- Soft Computing
- Data Mining
- Intelligent Autonomous Systems
- Human Computer Interface
- Information Security
- Bioinformatics
- Wireless Networks and Information Security
- Network Security
- Next –generation Networking Technologies
- Computer Vision and Architecture
- Mobile Security
- Nano Computing
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- Intelligent and Computer Vision Instruments
- Measurement in Robotics
- Computational Nero Science
- Industrial Automation
- Analysis And Design of Control Systems
- Power System Modeling and Analysis
- High Voltage Direct Current (HVDC)
- Power Electronics and Drives
- Electric Vehicle Technology
- Smart Grid
- Renewable Energy Systems
- Power System Protection
- Power Electronics and Drive Control Technics
- RFID and Cognitive Radio
- Ad-Hoc Networks
- Real Time Operating Systems

The various intelligent tools like swarm intelligence, AI, Genetic Algorithm, evolutionary algorithms, bio-inspired algorithms could be well applied in different domains for solving various challenging problems.

Important Information

- Papers can be uploaded through the website using the following link

  https://cmt3.research.microsoft.com/User/Login?ReturnUrl=%2FIC3T2023

- Assistance will be provided regarding accommodation.