

AUTHOR GUIDELINES

- ❧ Papers are invited from Students, Research Scholars, Academicians, Scientists and Industry persons.
- ❧ The paper should be in IEEE format with maximum of 6 pages (if limit exceeds Rs.500/- per page).
- ❧ Papers submitted should not have been previously published in any other conference or journal or Book Chapter etc.,
- ❧ Authors should satisfy the standard norms of plagiarism.
- ❧ Papers submitted will be reviewed by our expert committee members.
- ❧ Atleast one author should register for the conference
- ❧ E-Certificate will be provided through email only.

SUBMISSION

- ❧ Paper should be submitted to email nctisds@gpcet.ac.in

REGISTRATION FEE: Rs 1000/-

PUBLICATION

- ❧ All accepted, registered and presented papers will be published in conference e-Proceedings with ISBN .
- ❧ The selected papers will be published in Scopus Indexed Journals with additional charges.

IMPORTANT DATES

Last date for submission: 15th November 2020
Acceptance intimation date: 30th November 2020
Last date for registration: 5th December 2020

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Key Note Speakers

Prof.S. Srinivas Kumar,
Vice-Chancellor, JNTUA Ananthapuramu
Dr. Sankaraiah Sreeramulu
Head Data Scientist

APP SinarMas (Sinarmas Group), Indonesia

Conference Chair(s)

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Organized by
Dept. of Electronics and Communication Engineering
G.Pullaiah College of Engineering & Technology
(Autonomous)

Accredited by NAAC of UGC with "A" Grade, Accredited by NBA (ECE, EEE & CSE)
Approved by AICTE, New Delhi & Permanently Affiliated to JNTUA, Ananthapuramu
(Recognized by UGC under 2(f) & 12(B) & ISO 9001:2015 Certified Institution)
Near Venkayapalle, Pasupula Village, Nandikotkur Road,
Kurnool – 518452, Andhra Pradesh – India,
www.gpcet.ac.in

About GPCET

G.Pullaiah College of Engineering and Technology (GPCET) is promoted by Sri Sai Krishna Educational Society, a society registered on 15-02-2006 under A.P Societies Registration Act No 35 of 2001 and is the dream project of renowned educationalist Sri G. Pullaiah and his son Sri G.V.M Mohan Kumar. The college is located in a hamlet Venkayapalli, within a close proximity from Kurnool on the state highway and is well connected to all major cities in and around the state. The College established in the year 2007, works with the Motto "Pioneering Innovative Education" and strives to provide the student community, the modern technology supported by Comprehensive library, State of art laboratories along with necessary computational Skills. GPCET has obtained Autonomous status from the year 2018 besides being accredited by NAAC of UGC and NBA of AICTE, New Delhi. GPCET is approved by AICTE, New Delhi and has also been granted permanent affiliation under Jawaharlal Nehru Technological University Ananthapur. Also, it is an ISO 9001-2015 certified Institution besides recognized by UGC under 2(f) and 12(B). It offers 7 UG programs in Civil Engineering (CE), Computer Science and Engineering (CSE), Computer Science and Engineering – Artificial Intelligence (CSE-AI), Computer Science and Engineering-Internet of Things (CSE-IOT), Electronics and Communication Engineering (ECE), Electrical and Electronics Engineering (EEE) and Mechanical Engineering (ME) besides 4 PG programs in Computer Science and Engineering (CSE), Digital Electronics and Communication Systems (DECS), Electrical Power Systems (EPS) and Master of Business Administration (MBA) with a total annual intake of 894. The college also recognized as a Full Time Research Centre in ECE, EEE under JNTUA. The college consists of well-designed infrastructure and is ably supported by well qualified, reasonable blend of experienced and young faculty who involve themselves in teaching and research. The overall ambience of the college provides best place for teaching-learning experience. Further, all the stakeholders of GPCET work in the framework of its well-defined Vision, Mission and Quality Policy.

About Department of ECE

The Department of Electronics and Communication Engineering (ECE) is one of the first departments established in 2007 for imparting state-of-the-art knowledge in Electronics and Communication Engineering. The department is supported by highly dedicated qualified faculty which include Ph.D's and pursuing Ph.D's in various fields of

specialization having vast experience in both Industry and Academia. The department offers a Bachelors programme in Electronics and Communication Engineering and Masters Programme in Digital Electronics and Communication Systems (DECS). The department is intended to generate and disseminate knowledge and technologies essential to the local and global needs in the field of Electronics and Communication Engineering. The department is providing excellent opportunities for young technocrats to enhance their learning capabilities with strong skill set in Microelectronics, Communications, Signal & Image processing, Embedded Systems and IOT & Robotics. The future is full of limitless opportunities. The department is focused on building talent for the future. Therefore, it has conceptualized to address the need for focused training and to produce certifications in niche domains such as IOT, ARTIFICIAL INTELLIGENCE, CISCO, DATA SCIENCE WITH PYTHON, ETHICAL HACKING, ROBOTICS etc.

The department provides ample hands on training to the students on National Instruments hardware and software (MYDAQ Virtual Instrumentation and LABVIEW), Cadence tools, Analog Discovery Kits, IOT and PCB Design. It has well-established air-conditioned Laboratories with modern equipment to impart knowledge for future industrial and academic needs. The department has well equipped Laboratories viz. Electronic Devices and Circuits, Electronic Circuit Analysis and Design, Integrated Circuit Applications, Microwave and Optical Communications, Analog and Digital Communications, VLSI, Digital Signal Processing, Microprocessors and Microcontrollers, Embedded Systems, Basic Simulation, Virtual Instrumentation, CADENCE, Satellite Navigation System, IOT & Robotics. The labs offer students to work on a wide range of advanced software packages, such as, MATLAB, XILINX, FPGA, CADENCE,

About the Conference

This conference is being organized by the Department of Electronics and Communication Engineering. Promises to address the current state of Technology and outcome of ongoing research in the technology that can impact and leads to development of the society.

Objectives & Context

- ✎ To facilitate interactive exchange of knowledge between participants and experts expected to join from different parts of the nation.

- ✎ To provide opportunity for the participants to share their ideas and experience, interactive exchange of state-of-the-art knowledge in person with their peers expected to join.
- ✎ To establish business or research relations and to find National partners for future collaboration.
- ✎ To foster research relations between the Institution and the industry.

Outcomes

- ✎ Discussing the impact of key technologies like Artificial Intelligence, Big Data, IOT etc. in enhancing the standard of living.
- ✎ Defining performance metrics to assess the impact of these technologies in bringing about positive social change.
- ✎ Identifying and addressing the concerns of key stakeholders in regard to technology penetration.
- ✎ Define the requirements for new and augmented research, technical development and observations consistent with the above.

Topics for Conference

- ✎ Artificial Intelligence
- ✎ IoT
- ✎ Embedded Systems
- ✎ BIG data
- ✎ Wireless Communications
- ✎ Cloud Computing
- ✎ Robotics
- ✎ Renewable Energy Sources
- ✎ Power Electronics
- Any other relevant topics

