

About BIET

Bharat Institute of Engineering and Technology is one of the biggest institutions amongst the colleges being administered by Sri Chinta Reddy Madhusudhan Reddy Educational Society, a philanthropic society known for its societal mission. BIET started functioning from the academic year 2001-2002 and subsequently grown upto attain Accreditation from NBA, New Delhi in September, 2007.

BIET is located on a beautiful landscape of 120 acres among lavishly grown meadows, surrounded by flowering gardens with artificial water ponds. The greenery and the trees around the campus are very conducive for a wholesome, healthy academic learning atmosphere.

BIET is imparting quality education in B.Tech, M.Tech & MBA courses. BIET Library is one of the finest knowledge centers, for the students & faculty with over 62,616 volumes of 12,408 titles, 250 journals & magazines and 3,200CDROMs on modern technical topics. It has a digital library with an unlimited access to international e-journals. All the 1250 computers in the college are networked through a optical fiber system and has access to internet cloud through two 10Mbps connectivity. Modern methods of teaching in class room are equipped with Audio and Video facilities. A Spacious auditorium with modern audio and video connectivity is catering to the requirements of technical seminars, conferences, workshops etc.

About ECE Department

The ECE Department was established in 2001 and is accredited by NBA in 2007. The department has state-of-the-art infrastructure, facilities and well qualified and competent staff members. The department offers both B.Tech and M.Tech courses. Senior faculty includes Directors from DRDO. The Department has been awarded number of projects by AICTE and Defence Organizations. The B.Tech Program in Electronics and Communication Engineering (ECE) was started in the year 2001 with intake of 60, enhanced to 120 in 2009, 120 to 180 in 2013 and 180 to 240 in 2014. The faculties are engaged in research in diverse topics focusing on Telecommunication, Antenna and Microwave, Microelectronics and VLSI, Signal and Image processing.

About The Conference

National conference on "Recent Advances and Challenges in Electronics and Hardware Design"(NCRACEHD-2019) is aimed to provide interactive platform for the Eminent scientist, Researchers, Engineers, Designers, Technologist, Academician and other delegates from the academics and industry across the India to exchange their innovative ideas and research areas in the field of Electronics and Hardware Design Engineering. Beside this conference provides a common forum for the dissemination of original research ideas and practical development experiences which mainly focus on both theory and practices. The primary goal of the conference is to promote research and developmental activities in Electronics Design and Engineering that includes Computer Science, Information Technology, Robotics, Computational Engineering, and Mobile Communication. The conference includes oral and poster sessions, tutorials given by experts on state-of-the-art topics, and special sessions, with the aim of complementing the regular program with emerging topics of particular interest in Electronics and Hardware Design. NCRACEHD-2019 involves keynotes as an opportunity to learn from experts sharing their experience and knowledge.

Call for Papers

The technical committee invites authors to submit 6-page papers in standard IEEE double-column format, including references, figures and tables, to clearly present the work, methods, originality, significance and applications of the techniques discussed. This conference welcomes research contributions to cover a wide range in the domain of Electronics and Communication Engineering including Signal Image Processing, Embedded Systems, VLSI, Communication system, Antennas/ Microwave, Biomedical electronics, Internet of Things and many other field related to electrical and mechanical engineering dept. English is the official language of the conference. Prospective authors are invited to submit full (original)

language of the conference. Prospective authors are invited to submit full (original) research papers (which are NOT submitted/published/under consideration anywhere in other conferences/journals) in electronic (Doc or Docx format only) through online based on the mentioned theme including following topics but not limited to

Signal Processing

- Image & Video Processing
- Digital Signal Processing
- Radar Signal Processing
- Speech Synthesis
- Pattern Recognition
- Face & Motion Detection

Embedded Systems

- Real Time Systems
- Embedded Processors
- Embedded Networking
- Computer Architecture
- CAD/CAM,Robotics/Mechatronics
- 3-D Printing
- Embedded Systems with IOT

Antenna/Microwave

- Microwave Fields & Techniques
- Microwave Passive Components
- Microwave Active Components
- Microwave Systems & Applications
- Recent Trends in Microwave
- Antenna and Wave Propagation

Power Systems

- Advanced Power Semiconductor
- Electric Drivers and Application
- Controller for Power Systems
- Power System Protection
- FACT'S Devices

- Power Electronics Drives

Control System

- Control Theory and Applications
- Adaptive & Learning Control System
- Fuzzy and Neural Control
- Manufacturing Control Systems and Applications
- Process Control Systems
- Robotics and Automation

Computers & Information Technology

- Artificial intelligence and machine learning
- Fuzzy logic
- Knowledge and Data Engineering
- Software Engineering
- Visualization and Computer Graphics
- Multimedia Services and Technologies

Communication

- Network & Information Security
- Data Communication & Networking
- Wireless & Mobile Communication
- Wireless Sensor Networks
- Software Define Radio
- Communication for Intelligent Transportation

VLSI System Design

- Low Power VLSI
- VLSI Process and Technology
- MEMS
- Nano Technology
- Cognitive Electronics
- Analog Mixed VLSI Design
- Digital VLSI Design

Biomedical Electronics

- ECG and Heart Monitoring
- Health Monitoring Devices
- Biomedical Signal Processing
- Wearable and Mobile Devices
- Biomedical Sensors
- Imaging and Visualization Devices

Renewable Energy Systems

- Wind Energy Systems
- Hybrid Energy Systems
- Solar Photovoltaic Systems
- Hydrogen Systems and Fuel Cell
- Distributed and Co-Generation Systems
- Smart Grid Applications and Technologies

Circuits and Systems

- Analog & Digital Circuits
- Mixed Signal Circuits
- RF and Wireless Circuits
- Photonic and Optoelectronic Circuits
- Sensing and Sensor Networks
- Test and Reliability

Emerging Science and Technology

- Advance Materials
- Fabrication Techniques
- Quantum Electronics
- Molecular Electronics
- Light Technologies
- Clinical Technologies

All the accepted Regular papers will be published in the conference proceedings and later in the Scopus/UGC/Peer Reviewed International journal subject to the acceptability.

Author Guidelines

The authors need to check the English grammar correctness and plagiarism before submission. Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Submission of a paper should be regarded as an undertaking that after once paper is accepted, at least one of the authors must register and attend the conference to present work. Each submitted paper will be peer reviewed before publication. The authors of out states can present through Skype.

The length of paper should be a maximum of 6 pages including abstract and limited to 150 words. Manuscripts will be accepted in Word (Doc or Docx format only) format through Easy Chair online submission system:

<https://easychair.org/cfp/content.cgi?a=22701579> or

[email: racebiet2019@gmail.com](mailto:racebiet2019@gmail.com)

Registration Fees

Category	Indian Authors	Foreigners
Scopus/UGC	INR4500/ 2500	60 USD
Peer Reviewed International Journals	INR 1500	50 USD
Conference Proceedings Only	INR 1000	40 USD
Co-Author/Listeners (Lunch+Conference Kit+Food Coupen+Certificate)	INR 800	25 USD
Student Listeners (Food Coupen+Certificate)	INR 500	15 USD
Additional Paper Charges	INR 500 per page (Max 2 Pages)	10 USD

The registration fee is to be paid either by Demand Draft or online money transfer to the Account of Principal BIET. Details will be sent separately to the mail after acceptance of the paper.

Accommodation

Accommodation can also be arranged in nearby hotels on request. Double room tariff varies from INR 1000 to INR 5000 per day. The College will provide the necessary free local transport to reach the venue from almost location of the City through its college busses.

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Important Dates

Paper Submission :15th October, 2019

Acceptance Notification :20th October, 2019

Final Submission : 25th October, 2019

Last date of Registration :30th October, 2019

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