

Conference Theme

The purpose of the conference is to highlight the opportunities & challenges in the Electronics sector, get insight into the future trends and share knowledge on the technology options and strategies. The main objective of the conference is to update participant regarding recent advancements in Electronics, Robotics, Automation, Control, Communication, Signal Processing and Embedded Systems. It also provides the premier interdisciplinary forum for researchers to present and discuss the most recent innovations, trends, practical challenges encountered and the solutions adopted in the field of Robotics, Automation, Control and Embedded Systems.

Topics:

Papers are invited in the following areas of interest, but not limited to:

- Biomedical and Rehabilitation Engineering
- Control Systems
- Industry 4.0
- Mechatronics
- MEMS and NEMS
- Measurement for food, safety, healthcare and industrial applications
- Mobile Robots and Autonomous Systems
- Power Plant automation
- Real time measurements
- Robotics and Automation
- Remote Sensing Applications
- Smart sensors
- Sensor array & multi-channel signal processing.
- Microwave, antennas and propagation.
- Radar and sonar signal processing.
- Audio and speech processing.
- Image and multidimensional signal processing.
- Signal Processing for communications.
- Wireless communications and networks.
- Optical communications and networks.
- Ultra wideband technology.
- Computer vision.
- Information and data security.
- VLSI & Embedded system design.
- High performance computing.
- Mobile Computing.
- Artificial Intelligence.

Important Dates:

Last Date for Paper Submission	15-04-2019
Intimation of acceptance	20-04-2019
Last date for full length paper	25-04-2019
Last Date for Registration	25-04-2019
Conference	10-05-2019

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Dr. Venkatratnam C Asso. Prof. & Head, Dept of EIE

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**3rd NATIONAL CONFERENCE ON
Robotics, Automation, Control and
Embedded Systems
NCRACES-2019**

Innovation in You...

10th May 2019



Organized by
Department of Telecommunication Engineering
Accredited by NBA, New Delhi (Validity: 01.07.2017 - 30.06.2020)

&
Department of Electronics & Instrumentation Engineering

(Previously known as Instrumentation Technology, Accredited by NBA, New Delhi., Validity: 01-07-2017 to 30-06-2020)

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About GSSSIETW, Mysuru:

GSSS Institute of Engineering and Technology for Women, Mysuru is an initiative and outcome of Late Prof. B S Pandit, former Physics Professor from SJCE, Mysuru with a vision to provide quality technical education to girls. The institution was established in the year 2003 reflecting the ideals of its founder and seeks to achieve excellence as an academic institution with advanced research. Five Engineering branches ECE, CSE, ISE, TE and IT are accredited for three years by NBA, New Delhi, (Validity: 01-07-2017 to 30-06-2020). The institute offers 6 B.E Programs, 2 M.Tech Programs and MBA all affiliated to VTU, Belagavi. The institution has professional forums like IEEE, IETE, ISTE, ISOI and CSI. The College also offers Ph.D., programs in E&C, CS&E, E&IE, Mathematics, Chemistry and MBA Departments. The institute successfully organized Three IEEE International Conferences ICEECCOT in the years 2016, 2017 & 2018. Students have secured several University ranks and received gold medals in the University Examinations. Institute has been awarded with 15 ranks, 3 Gold Medals.

About Dept. of Electronics & Instrumentation Engineering:

The Department of Instrumentation Technology was established in the year 2006-07 with an annual intake of 60 students and renamed as Electronics and Instrumentation Engineering in the year 2014 and is affiliated to Visvesvaraya Technological University, Belagavi and approved by AICTE, New Delhi. The department has qualified and experienced faculty and technically competent supporting staff committed to impart technical knowledge. VTU has recognized the Department of E&IE as an Research & Development centre. The department has an ISOI (Instrument society of India) student chapter with an annual membership of over 100 students. The department has secured 10 University Ranks so far. Also they have been placed in reputed companies like Infosys, Tech Mahindra, L&T Infotech, IBM, Wipro etc. Vision Group on Science & Technology (VGST), Government of Karnataka has sanctioned a Grant of Rs. 30 Lakhs for the project "Establishment of Innovative Robotics Awareness Lab". The department is actively engaged in industry-institute interaction and signed MoUs' with Yokogawa India Pvt. Ltd., Gill Instruments Pvt. Ltd., Bangalore and National Instruments, Bangalore. The department is vibrant in conducting Conferences, Seminars, Workshops, Competitions and Industrial visits to the continuous growth of students.

About Department of Telecommunication Engineering:

Department was started in the academic year 2006-07 and has a Professional and enthusiastic group of academicians who regularly involve in research with 10 faculty members. The department encourages the students & also gives platform to

show their talents by organizing many technical events, conferences & symposiums and arranges industrial visits to provide an interaction between institution & industry, once in a semester for all the students. Our students have participated in the national level project competitions and also university level sports/intercollegiate sports events. Around 20 students were placed in good companies. Department has established three program specific additional labs like Texas Instrument India University Program lab and others. The department of TCE has established a IETE students forum (ISF). Faculties of TCE are members of IEEE, IETE, ISTE, and other professional bodies

Call for Papers:

All papers must be formatted as per requirements of IJERT. The template in ms-word format should be downloaded from <https://www.ijert.org/authors-guide/downloads> Papers must be mailed to ncraces@gsss.edu.in The papers will undergo plagiarism check and peer reviewed by a Technical Review Committee. The recommendation of review committee is final. All the Selected and Presented papers will be published in the IJERT Journal and as well as conference proceedings

Publication & IJERT Indexing: The International Journal of Engineering Research and Technology (IJERT) has consented to Publish selected papers from the presented papers in the NCRACES-2019 Conference. The journal's articles are currently indexed by ELSEVIER SSRN, CiteSeerX, PubMed, Google Scholar, ScienceOpen, BASE, ArXiv, and OCLC.

Who can attend?

BE / M.Tech/ Research scholars of all branches

Registration Fee:

UG/PG students and faculty is Rs.800/-

Please confirm the registration by sending the filled in registration form on or before 25th April 2019 to ncraces@gsss.edu.in. Registration form duly signed by the head of the institute is to be sent along with DD in favor of GSSSIETW, on or before 25th April 2019.

Address for Communication

For any further information, please contact:

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**3rd NATIONAL CONFERENCE ON
Robotics, Automation, Control and Embedded Systems
NCRACES-2019
10th May 2019**

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