

ICRTECCA - 2025

(Hybrid Mode)

1st International Conference
On
Recent Trends in Embedded,
Computing, Control and Automation



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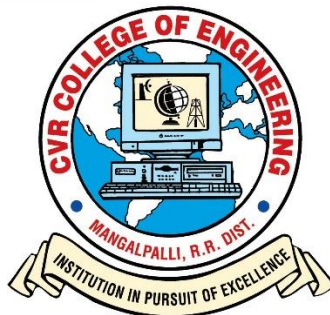
WEB OF SCIENCE



www.icrtecca.org

Venue:

CVR College of Engineering,
Hyderabad, India



CVR College of Engineering

(An Autonomous Institution)

**NBA Accredited, AICTE Approved, Affiliated to JNTUH
Vastunagar, Mangalpalli (V), Ibrahimpatnam (M),
Ranga Reddy (Dist.), Telangana, India – 501 510**

23-24 April 2025

ICRTECCA - 2025

About the College

The Cherabuddi Education Society aims to create a state-of-the-art Engineering Institution in association with leading NRI technology professionals and well-known academicians of the twin states of Telangana & Andhra Pradesh.

The CVR College of Engineering (CVRCE), which was established in 2001, is a pioneer in providing quality education to students. CVRCE is true to its vision. "In Pursuit of Excellence" while catering to the changing needs of the student community at large for the last couple of decades. CVRCE is ranked among the top few premier institutions in the state of Telangana and holds an NIRF ranking of less than 200.

The College is Autonomous under the UGC and accredited by the NAAC with a Grade 'A'. The College promotes academic research and consultancy. The college publishes "CVR Journal of Science & Technology" to disseminate research content. The College is working towards accomplishment of its mission to serve the nation as a center of quality education, research, and knowledge.



About the Department

The Electronics and Instrumentation Engineering (EIE) department was started in the year 2004 with an intake of 60. The department has been accredited by the NBA quarcce: in 2013 for a period of two years, in 2016, 2021 and 2024 for a period of three years.

The department also offers the following Minor Programs in Artificial Intelligence and Machine Learning (AI&ML), Data Science (DS), Cyber Security (CS), Internet of Things (IoT), and Entrepreneurship.

The department has state-of-the-art laboratories such as AICTE sponsored Advanced Process Control Instrumentation Laboratory, Mitsubishi Electric India Pvt. Ltd funded Authorized Training Center (ATC), Factory Automation Laboratory and Virtual Instrumentation Laboratory. The department has a Research and Development center which houses several New-Gen IEDC Projects under the DST Govt. of India. This facility has enabled the students to participate in national & international competitions and win prizes.



About the Conference

As we stand on the brink of the 1st International Conference on Embedded, Computing, Control and Automation Engineering continues to evolve at an unprecedented pace, playing a crucial role in shaping our technological future.

The conference (Hybrid Mode) aims to bring together global experts, researchers, practitioners, and industry leaders to share their latest research results, explore new areas of research and development, and discuss the challenges and practical solutions in Embedded, Computing, Control, and Automation Engineering.

The conference aims to be a premier venue for researchers and industry practitioners to share new ideas, research results and enriching experiences in various fields.



Call for Paper

The international conference invites academics and industry researchers for publications of papers describing literature review, problem statement and methodologies with relevant results. The papers will be sent to the experts for double-blind peer review. Acceptance will be based on significant and innovative content, originality and unpublished quality work. Selected papers will be published in conference proceedings with Bentham Science publisher (*SCOPUS & Web of Science Indexed*) as per the terms and conditions of the publisher. To encourage the participants *BEST PAPER* and *BEST PRESENTER* awards will be given to the offline participants.

Highlights: To imbibe the research culture in undergraduate students, the conference invites undergraduates to publish original, innovative, and quality research work.

The conference invites the papers in the following domains and tracks but not limited to:

| Embedded Systems & Applications | Computing & Intelligent Technologies | Power, Energy, and Power Electronics |
|---|---|---|
| <ul style="list-style-type: none"> ✓ Real-Time Computing Multi / Many-Core Embedded Systems Parallel and Distributed Embedded Systems ✓ Emerging trends in embedded multimedia systems (gaming, streaming) ✓ Security & Reliability in Real-Time Embedded Systems ✓ Distributed Real-Time Embedded Systems | <ul style="list-style-type: none"> ✓ Algorithms ✓ Programming Languages ✓ Computing Architectures and Systems ✓ Computer Graphics, Vision and Animation ✓ Software and Database System ✓ Multimedia Engineering ✓ Networks, IoT and Cyber Security ✓ Cluster, Cloud, & Grid Computing ✓ Data Mining ✓ Neural Networks and Deep Learning ✓ Meta heuristic algorithms ✓ Machine Learning ✓ Business Intelligence ✓ Human-Computer Interface ✓ Crowd Sourcing & Social Intelligence | <ul style="list-style-type: none"> ✓ Power Generation, Transmission and Distribution ✓ Renewable Energy Sources and Technology ✓ High Voltage Engineering, HVDC-FACTS ✓ Switching Circuits & Power Converters ✓ Power System Monitoring, Control and Protection ✓ Micro Grids& Distributed Generation ✓ Control Communication and Monitoring of Smart Grid Energy Storage System |
| Biomedical Engineering and Healthcare Technologies | Signal & Image Processing | Robotics, Control, Instrumentation and Automation |
| <ul style="list-style-type: none"> ✓ Biomedical Signal Processing and Instrumentation ✓ Wearable Sensors for Health care monitoring ✓ Biomedical Imaging ✓ Micro/Nano-bioengineering and Cellular/Tissue Engineering & Biomaterials ✓ Computational Systems, Modelling and Simulation in Medicine ✓ Biomedical and Health Informatics | <ul style="list-style-type: none"> ✓ Image / Video / Multimedia Signal Processing ✓ Audio / Speech / Spoken Language Processing ✓ Digital & Multirate Signal Processing ✓ Signal Processing Algorithms and Architectures ✓ Pattern Recognition and Object Tracking ✓ Compressive Sensing and High-Dimensional Statistics | <ul style="list-style-type: none"> ✓ Humanoid robots ✓ Mobile robotics ✓ Space and underwater robots ✓ Control system modelling ✓ Intelligent control, Neuro-control, Fuzzy control and their applications ✓ Networked control systems ✓ Instrumentation systems ✓ Industrial automation |

Registration Details

| Dates | Category | Indian Author's | Foreign Author's | |
|---------------------------------|----------------------------|------------------------------|------------------|---------|
| Registration Open | 17 th Mar, 2025 | Student / Research Scholar | Rs. 8000/- | USD 100 |
| Last Date for Registration | 24 th Mar, 2025 | Faculty | Rs. 8500/- | USD 105 |
| Last Date for Late Registration | 01 st Apr, 2025 | Industry | Rs. 9000/- | USD 110 |
| Schedule of Presentation | 10 th Apr, 2025 | Extra Page After 6 Pages | Rs. 1000/- | USD 15 |
| | | Participants (Non-Presenter) | Rs. 1000/- | USD 15 |
| | | Late Fee | Rs. 1500/- | USD 20 |

Instructions:

- Submission must be original and should not have been published previously or be under consideration for publication while being evaluated for this conference.
- Paper Length: Up to 6 pages, including figures, tables & references. At maximum, two additional pages are permitted with an over-length page charge of Rs. 1000/- per page, to be paid during author registration.
- The similarity index of the paper must not exceed 15% overall, and 5% from single source overlap.
- The registration fees must be paid before uploading the final camera-ready version of the paper. At least one author must register and present.

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Important Dates

VENUE
CVR College of Engineering
Hyderabad, India.

Call for Paper
22nd Nov, 2024

Last Date for Paper
Submission 20th Jan, 2025

Notification for
Acceptance 28th Feb, 2025

Submission of Camera
Ready Paper 10th Mar, 2025

www.icrtecca.org

Paper submission link: <https://easychair.org/conferences/?conf=icrtecca2025>

Email Id: icrtecca@gmail.com

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