

## **VENUE**

### **SRI RAMAKRISHNA INSTITUTE OF TECHNOLOGY**

Pachapalayam (Post), Perur Chettipalayam  
Coimbatore - 641010

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 **Call us**  
0422 - 2605577 / 2605877

 **E-Mail us**  
ccca.srit@gmail.com

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## **SRI RAMAKRISHNA INSTITUTE OF TECHNOLOGY**

**AN AUTONOMOUS INSTITUTION**

(Educational Service: M/s. SNR Sons Charitable Trust)

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai

Accredited by NAAC with 'A' Grade

Post Box No. 2601, Pachapalayam, Perur Chettipalayam, Coimbatore - 641 010



## **VIRTUAL INTERNATIONAL CONFERENCE ON COMMUNICATION, COMPUTATION, CONTROL AND AUTOMATION (ICCCA - 2022)**

**7<sup>th</sup> & 8<sup>th</sup> APRIL, 2022**

*ORGANIZED BY*

Department of ECE & EEE in association with IEEE Student Branch and ISTE Students' Chapter







### ABOUT THE INSTITUTION

Sri Ramakrishna Institute of Technology (SRIT), an Autonomous Institution, affiliated to Anna University is one among the most eminent Educational Institutions in Coimbatore District. SRIT is recognized as one of the leaders in Engineering Education, Research and Application of knowledge for the betterment of the society and the country. The college has imprinted a position in the Engineering Education by creating graduates to the industry and the society. Since its inception in the year 2002, the institution has been continuously motivated to make a permanent mark in the education field by creating technocrats, sound in academics and value system. SRIT is one of the seventeen leading institutions managed by SNR Sons Charitable Trust which includes Polytechnic College, Schools, Dental College, Colleges of Pharmacy, Physiotherapy, Arts & Science, and Advanced Training Institute. The institution is located in a tranquil environment appropriate for constant learning. It is situated at the outskirts of the city. Well-constructed buildings with state-of-the-art educational aids are spread over the 49.99 acres with built up area of 65,117 Sq.m. The college has offered 5 UG Programmes and 3 PG Programmes.

### ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was started in the academic year 2002-2003. The Department offers B.E. Electronics and Communication Engineering Programme accredited by NBA and M.E. Communication Systems. The department has well experienced and well qualified senior faculty members specialized in Communication, VLSI, Image Processing, Embedded Systems and Wireless Networks. The department is a Recognized Research Centre of Anna University, Chennai. The department has well established laboratories with state of art facilities. Electronics and Circuits Laboratory has been modernized under AICTE-MODROB scheme. The students are imparted with profound knowledge and practical skills and are motivated to undergo internships/inplant training in India and abroad. The alumni of the department are scattered in various places in India and abroad pursuing higher studies in reputed universities/institutions and occupying higher positions in multinational companies. The department is headed by Dr.S.Anila,M.E.Ph.D.

The Department of Electrical and Electronics Engineering was established in the year 2002 and accredited by NBA. The Department has been strengthened by the experienced and well qualified senior professors and other dynamic faculty members. All the faculty members are equipping their students to excel in their career and guide them to grab their opportunity to work in diverse establishment like Electricity Board, Power Generation, Instrumentation, Measurement and control area. The Department has well established Electrical machines, Power system Simulation, Power Electronics, Solar and Control system laboratories with the state of art computing facilities by having more than 50 computers packed with latest versions of ETAP, LabView, MATLAB, MATHCAD and PSCAD/EMTDC software. The department is equipped with all modern instruments and teaching aids to enable the students to master the basics. The department is headed by Dr.C.R.Hema,M.S.,Ph.D.

# CONFERENCE PREAMBLE:

This conference is organized with the vision to address the various issues to promote the creation of intelligent solutions in future. It is expected that researchers will bring new prospectus for collaboration across disciplines and gain ideas facilitating novel concepts. The theme of this conference will motivate the researchers to disseminate new research ideas, practical development experiences and adopt the outcome for implementation. This conference provides a platform where innovative ideas are focused on new information and exchanged among the experts. Objective of this conference is to facilitate academicians, researchers, industrialist & UG/PG students to present their research issues, challenges and latest advances in the interdisciplinary field.

# Conference TRACKS



- **TRACK 1#** COMPUTER SCIENCE ENGINEERING AND INFORMATION TECHNOLOGY
- **TRACK 2#** ELECTRONICS AND COMMUNICATION ENGINEERING
- **TRACK 3#** ELECTRICAL AND ELECTRONICS ENGINEERING
- **TRACK 4#** CIVIL ENGINEERING
- **TRACK 5#** MECHANICAL ENGINEERING

## **TRACK 1 #** **COMPUTER SCIENCE ENGINEERING AND INFORMATION TECHNOLOGY**

- Computer Networks
- Data Analytics
- Data Mining
- Database Systems
- Software Engineering
- Artificial Intelligence
- Mobile Computing
- Security and Cryptography
- Pattern Recognition
- Neural Networks
- Cloud Computing

## **TRACK 2 #** **ELECTRONICS AND COMMUNICATION ENGINEERING**

- Microprocessor and Microcontroller
- Very Large Scale Integration(VLSI)
- Antenna Design
- Semiconductor Technology
- Signal and Image Processing
- Digital Communication
- Embedded System
- Intelligent Control
- Wireless Communication
- Wireless Networks

## **TRACK 3 #** **ELECTRICAL AND ELECTRONICS ENGINEERING**

- Instrumentation
- Electric Power Generation
- Electronic Materials
- Electromagnetic Transients Programs
- Digital Signal Processing
- Microprocessor based Technologies
- Magnetic Theory
- Power Systems
- Instrumentation Control
- Renewable Energy

## **TRACK 4 #** **CIVIL ENGINEERING**

- Bridge and Tunnel Engineering
- Building Energy Conservation and Green Architecture
- Geotechnical Engineering
- High rise Structure and Large-span Structure
- Modern Trends in Civil Engineering
- Municipal Engineering
- Structural Engineering
- Surveying
- Transportation Engineering
- Water resource Engineering

## **TRACK 5 #** **MECHANICAL ENGINEERING**

- Advanced Materials
- Aerodynamics
- Aerospace Engineering
- Applied Mechanics
- Automation, Mechatronics and Robotics
- Automotive Systems
- Computational Fluid Dynamics
- Industrial Engineering
- Mechanical Engineering
- Design and Manufacturing





# Call For PAPERS

## IMPORTANT DATES



Call for Papers:

27-12-2021



Notification of Acceptance of Full paper:

01-02-2022



Conference Dates:

7<sup>th</sup> & 8<sup>th</sup> April 2022

Deadline for Receiving Full paper:



Deadline for Receipt of Camera Ready paper:



## REGISTRATION FEE

Corporates /Industrialist  
Academician /Faculty  
Research Scholar Students

Registration Fee ₹ 1000

## REGISTRATION PROCESS

Authors of the accepted papers are required to pay the registration fee through online payment.

**Account Name: Secretary, ISTE Chapter, Sri Ramakrishna Institute of Technology**

**Account Number: 7131208342**

**Bank: Indian Bank**

**Branch: Kalampalayam**

**IFSC Code: IDIB000K290**

For registration please contact,

**Dr.S.Sangeetha, ASP/EEE**

Contact Number: +91 9486918713

**Ms.R.Kanmani,Assistant Professor(Sr.Gr)/ECE**

Contact Number: +91 9345730491

**Dr.R.N.DevendraKumar, AP(Sr.Gr)/CSE**

Contact Number: +91 8098755499

**Ms.S.Dhivya,Assistant Professor/ECE**

Contact Number: +91 9489259542

**ICCCA Official E-mail: [ccca.srit@gmail.com](mailto:ccca.srit@gmail.com)**

## PAPER SUBMISSION

All papers submitted must be formatted in the standard IEEE double-column format (A4 size) and send the paper on before 1.02.2022.

After review, the author's of accepted papers are required to complete the registration process and submit the final camera ready paper by 05.03.2022.

**Full Paper Submission Link:**

<https://forms.gle/arwgz5cK9gTxGxfK7>



## PUBLICATION PROCESS

All accepted papers will be published in UGC approved journal and based on the comments received from the technical committee, the authors of high quality papers will be invited to submit the extended version of their presented work in reputed Scopus Indexed Journals. The additional publication charges if any should be borne by the authors.

## KEYNOTE SPEAKERS



**Dr. Gunasekaran Thangavel**  
Programme Director-Telecommunications  
Higher College of Technology, Muscat  
**Keynote Topic:**  
Cluster based propagation channel models for  
future wireless communications



**Dr. Kamarulzaman Bin Kamarudin**  
Deputy Dean, Faculty of Electrical Engineering  
Technology, UniMAP, Malaysia  
**Keynote Topic:**  
Towards Mobile Robot  
Gas Leakage Detection

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- Dr. M. Newlin Rajkumar, Assistant Professor/CSE, Anna University Regional Center, Coimbatore.
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Professor & Head/ECE, SRIT

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Associate Professor/ECE, SRIT

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