

International conference on Artificial Intelligence, Internet of Things and Cyber Security (ICAIC‘22)

May 20 & 21, 2022

Coimbatore, India.

Organized by

Department of Computer Science and Engineering

Department of Information Technology

Department of Information Science and Engineering

Department of Computer Applications

Department of Artificial Intelligence & Data Science

Kumaraguru College of Technology

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**ABOUT THE CONFERENCE**

In today computing scenario, we need intelligent systems for better automation and secure transactions. To explore the problems, opportunities and solutions, we are conducting International conference on Artificial Intelligence, Internet of Things and Cyber Security. It is a multidisciplinary computing conference that gives participants to discuss challenges and opportunities with researchers, engineers, entrepreneurs, students, educators, and budding researchers. It is an international forum for the presentation of original research results, as well as the exchange and dissemination of innovative solutions for our current societal problems. The value of the education and training imparted by the college is highlighted by the interest shown by leading companies for on-campus recruitment. Our alumni have made us proud by proving their worth in their chosen field of work.

Due to pandemic situation online payment and transactions have increased tremendously, to perform secured data transactions, blockchain technologies is playing an important role in the current scenario. Providing awareness about cyber laws and ethics are important in our society. Because of industrial revolution most of the work are automated using IoT. IoT helps to optimize the process flow in industry and increase the performance of the industry in various aspects. In current situation any systems will manage itself by learning the environmental factors. Reinforcement learning is expected in most of the scenario. Machine learning and deep learning are playing important role to develop self-management systems. Data modelling is playing an important role to automate any realistic environment in simulated environment. Digital twin helps the industry to analyse their new innovative ideas in virtual environment.

**ABOUT KCT**

Kumaraguru College of Technology (KCT), Coimbatore is an Engineering College started in 1984 under the auspices of Ramanandha Adigalar Foundation, a charitable educational trust of Sakthi Group. It is situated in a sprawling campus of 150 acres in the IT corridor of Coimbatore which in many ways was a front runner in the eco system. The able guidance and patronage of Arutselvar Dr. N. Mahalingam, Founder, Sakthi Group along with the efficient administration of Dr. B. K. Krishnaraj Vanavarayar, Chairman, the resourcefulness of Shri. M. Balasubramaniam, Correspondent and the foresightedness of Shri. Shankar Vanavarayar, Joint Correspondent have elevated the institution to excel both at state and national level in addition to a number of international partnership with elite academic institutions abroad. The institution is well equipped with excellent facilities such as spacious classrooms, seminar halls, well-equipped laboratories, excellent sporting amenities, dedicated high-speed internet connectivity (broadband) and well-qualified faculty. Five Academic Blocks house the different departments. The administrative building, “Dr. Mahalingam Vigyan Bhavan” is an architectural marvel and land mark in Coimbatore.

Currently the college, as an autonomous institution affiliated to the Anna University,offers 15 under-graduate (B.E., B.Tech.) and 14 post-graduate (M.E., M.Tech., MCA, MBA) programmes of study. All the above courses have the approval of the All India Council for Technical Education (AICTE) and all the eligible UG programs have also been accredited by National Board of Accreditation (NBA). In addition, KCT has also been accredited by National Assessment and Accreditation Council (NAAC) of the University Grants Commission (UGC). 9 of the 15 academic departments have been recognized as research centers permitting research leading to Ph.D. degree by Anna University.

**CALL FOR PAPERS**

International conference on Artificial Intelligence, Internet of Things and Cyber Security (ICAIC‘22)  is a forum for presenting new advances and research results in the fields of Artificial Intelligence, Internet of things and Cyber Security. The conference will bring together leading researchers, engineers and scientists in the domain of interest from around the world. The scope of the conference covers all theoretical and practical aspects of the AI, IoT and Cyber Security and presenting new advances and research results in the fields.

Authors are solicited to contribute to the conference by submitting articles that illustrate research results, projects, surveying works and industrial experiences that describe significant advances in the following areas, but are not limited to :

**CONFERENCE TRACKS**

**Track 1: Artificial Intelligence and Data Analytics**

* AI Algorithms
* Artificial Intelligence Tools & Applications
* Bioinformatics
* Natural Language Processing
* Computer Vision and Speech Understanding
* Data Mining and Machine Learning Tools
* Fuzzy Logic
* Heuristic and AI Planning Strategies and Tools
* Hybrid Intelligent Systems
* Information Retrieval
* Intelligent System Architectures
* Knowledge Representation

**Track 2: Internet of Things**

* Digital Transformation
* IoT Analytics
* IIoT & Smart Manufacturing
* Connected Environments
* Developing for the IoT
* Process Optimisation
* Sensor Deployment
* Connectivity Considerations
* 5G & Future Connectivity
* Cloud Computing
* Autonomous Transportation
* Device & Asset Management
* Connected Fleets & Smart Logistics
* Smart Energy & Enterprise Sustainability

**Track 3: Cyber Security**

* Secure quantum communications.
* Secure communications for space.
* Cyber autonomy and automation.
* Internet of things (IoT) and cyber physical security.
* Data privacy and user data control.
* Cyber law and ethics.
* Secure software engineering.
* National security and cyber policies

**POSTER PRESENTATION**

A poster is visual communication tool. International conference on Artificial Intelligence, Internet of Things and Cyber Security (ICAIC‘22)  is a forum for presenting effective poster. A well-designed poster will act as a source of information, be a conversation starter, promote your work, and summarize your work. Authors are solicited to contribute to the conference by submitting poster that will get your main ideas across to many people and will assist you in engaging your colleagues in conversations.

**POSTER SIZES**

* 42” X 60” (conference-small)
* 42” X 72” (conference-regular)

**CONFERENCE COMMITTEE:**

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**REGISTRATION FEE DETAILS (Paper Presentation for participants)**

|  |  |  |
| --- | --- | --- |
| **Member type** | **Indian delegates (in Rs)** | **Foreign delegates (in $)** |
| Student | 1000 | 100 |
| Faculty | 1000 | 100 |
| Industry | 2000 | 150 |

**REGISTRATION FEE DETAILS (Poster Presentation for participants)**

|  |  |  |
| --- | --- | --- |
| **Member type** | **Indian delegates (in Rs)** | **Foreign delegates (in $)** |
| Student | 500 | 50 |
| Faculty | 500 | 50 |
| Industry | 1000 | 100 |

**IMPORTANT DATES**

|  |  |
| --- | --- |
| Draft paper submission | March 21, 2022 |
| Intimation to Authors | April 11, 2022 |
| Registration | April 25, 2022 |

**Publications**

Papers submitted and presented in this conference and offer unique contributions will be considered for publication in SCOPUS indexed journals.

**//Image Required**

**Key note Speakers :**

* Prof. Alejandro Frangi, Director of Research & Innovation, University of Leeds, UK
* Dr. Ashapurna Marndi, Senior Scientist, CSIR-4PI, Bangaluru, India \*
* Dr. K. Rama Subramaniam, Global Chair, IICFIP, USA\*
* Ms. Uma Devi Selvaraj, Technical Lead, Multicoreware Inc., Chennai

\*-awaiting confirmation

Registration Link

Paper Submission Link

Payment Link

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**HOW TO REACH US**

Coimbatore city is well connected with all major cities of India by road, train and air. Our institution is about 10 kms from Central Bus Stand at Gandhipuram, 2 Kms off Sathy Road (national highway NH-209 leading to Mysore), 11 kms from the airport at Peelamedu and 11 kms from the railway station.

Nearby International Airports : Coimbatore, Chennai

**LOCATION MAP**

