


# INTERNATIONAL CONFERENCE ON INNOVATIONS AND ADVANCES IN COGNITIVE SYSTEMS

(ICAICS 2024) | 27-28 MAY, 2024



 **BUILDERS ENGINEERING COLLEGE**  
An Entity of Kangayam Group of Institutions | Affiliated to Anna University | Approved by AICTE  
Accredited by NAAC with 'A+' Grade | Recognized 2(f) status by UGC





## ABOUT THE CONFERENCE

Cognitive engineering is a relatively new discipline that gains a significant research attraction in this age of big data and Artificial Intelligence (AI). Cognitive systems are human-centred systems that supports and mimic human cognitive abilities such as decision-making, reasoning and problem-solving. Cognitive systems are now considered as a primary source for enabling cognitive interaction between humans and IT-based systems. ICIACS 2024 is an international conference initiated with a research theme “Computational Intelligence and Next-Generation Cognitive Systems”. ICIACS 2024 aims to showcase the concepts, principles, frameworks, processes and models of different cognition-related domains such as cognitive systems, information science, human-computer interaction, cybersecurity, automation etc. In addition, this conference emphasizes on the design and optimization of human users in cognitive systems since system thinking serves as a foundation for cognitive engineering. Also, research contributions are also welcome on the real-time applications of cognitive systems in terms of productivity, security, safety, and automation.



## ABOUT THE COLLEGE

The International Conference on Innovations and Advances in Cognitive Systems will be held on 26-27, May 2024 at Builders Engineering College, Kangayam, India.

Erode Builder Educational Trust (EBET), has been founded by a group of like-minded visionaries who felt the need for an apex academic and professional educational institution, committed to deliver through a number of institutes, schools and colleges, high standards of academic excellence for enriching lives through value based education. Builders Engineering College (Formerly Erode Builder Educational Trust’s Group of Institutions) was founded in the year 2009 by EBET.

### Vision:

To be the most preferred knowledge provider.

### Mission:

Builders Engineering College endeavors to prepare rural students for successful career through academic and applied research.

### **TOPICS OF INTEREST INCLUDE, BUT NOT LIMITED TO:**

- Visual cognition and computing
- Deep learning for human cognitive systems
- Artificial Intelligence (AI) and modelling
- Brain-inspired computational intelligence
- Brain computer interface technologies
- Cognitive linguistics
- Clinical neurocognitive models
- Social Cognition and Interaction
- Cognitive robotics and embodied cognition
- Cognitive ergonomics
- Metacognition and Meta-level Reasoning
- Big data and data optimization for human cognitive systems
- Neural cognitive computation and learning
- Multi-modal data interaction and fusion
- Natural language understanding and generation
- Structural learning and knowledge extraction



## CONFERENCE COMMITTEE



### **CHIEF PATRONS**

- **Dr. C. Venkatesh**  
Professor & Chief Executive officer  
Kangayam group of institutions
- **Dr. P. Thangaraj**  
Professor & Director – Research and Industry Collaborations  
Kangayam group of institutions

### **PATRON**

**Dr. S. Ramkumar**  
Principal  
Builders Engineering College

### **CONFERENCE CHAIR**

**Dr. S. D. Prabu Ragavendiran**  
Professor & Head - Department of Computer Science and Engineering  
Builders Engineering College

### **PROGRAM CHAIR**

**Dr. Somasundaram**  
Professor & Head - Department of Mechanical Engineering  
Builders Engineering College

### **GENERAL CHAIR**

**M. S. Senthil Kumar**  
Professor & Vice- Principal - Dept. of Mechanical Engineering  
Builders Engineering College

### **KEYNOTE SPEAKERS**

- **Dr. Chandran Saravanan**  
Department of Computer Science and Engineering, NIT,  
Durgapur, W.B., India
- **Selwyn Piramuthu**  
Professor of Information Systems, University of Florida,  
USA
- **Dr. M S Mekala**  
Professor, Robert Gordon University, United Kingdom





## SUBMISSION GUIDELINES

- ❖ Submissions should be related to innovations and advances in cognitive systems, encompassing but not limited to Call for Papers
- ❖ All submissions must be in English.
- ❖ Submissions must follow the conference paper template, available on the submission page
- ❖ Papers should not exceed 18 pages, including figures, tables, and references.
- ❖ Authors are required to submit their papers via email to [iciacshelpdesk@gmail.com](mailto:iciacshelpdesk@gmail.com).
- ❖ Please use the following subject line for your email submission: "ICIACS 2024 Submission - [Your Paper Title]."
- ❖ Ensure that your submission email includes the conference paper in PDF format as an attachment.

### Paper Template

Microsoft Word Template: [click here](#)

LaTeX Template: [click here](#)

## REGISTRATION

- ❖ At least one author of each accepted paper must register for the conference before the Registration Deadline.
- ❖ Authors are expected to present their papers at the conference.
- ❖ Authors will receive the schedule details with presentation guidelines 2 weeks before the event.

(It includes Conference Access, Conference Materials, Conference Swag, Certificate of Attendance and Presentation and Publication in conference proceedings)

**Indian participant – 7250 INR**

**Foreign participant – 100 USD**

After the payment, Authors are required to submit their final camera ready paper, Copyright form, Acceptance Letter and Payment Proof via email to [iciacshelpdesk@gmail.com](mailto:iciacshelpdesk@gmail.com).



## VENUE

Builders Engineering College  
Mullipuram Post, Nathakadaiyur,  
Kangayam, 638108,  
Tamil Nadu, India  
Map : [Click here](#)

## CONTACT

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