



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN



NATIONAL CONFERENCE ON APPLICATIONS OF AI AND IoT IN ENGINEERING AND TECHNOLOGIES (NCAAIET-2024) 10th FEBRUARY 2024

Organized by
Sri Bharathi Engineering College for Women

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
KAIKKURICHI(PO), ALANGUDI (TK), PUDUKKOTTAI(DT), TAMILNADU,
INDIA. PINCODE – 622303

www.sbec.edu.in

ABOUT US:

Sri Bharathi Engineering College for women, the first One and Only Women's Higher Education Institution in Pudukkottai District and established in the year 2009, named after the Famous Tamil Poet, Nation and Women Freedom Fighter, MAHAKAVI SUBRAMANIYA BHARATHI. Our Institution is governed by Sri Bharathi Educational Trust and has been approved by All India Council for Technical Education (AICTE), New Delhi and Affiliated to Anna University, Chennai. Our College offers Five Bachelor's Degree in B.E.- Civil Engineering, B.E. - Computer Science and Engineering, B.E. - Electrical and Electronics Engineering, B.E. - Electronics and Communication Engineering and B.Tech. - Information Technology. The Goal of our Institution is "to Empower the Women students in the field of Engineering and Technology by nurturing Outcome Based Education (OBE) and cultivating Innovative Skills to meet out the challenges faced by the women in the society".

VISION:

To accomplish the vision of Tamil Poet MAHAKAVI SUBRAMANIYA BHARATHIYAR, Sri Bharathi Engineering College for women obliged **"To Empower Women as Intellectual, Valued Human, Ethical Engineer through Outcome Based Education to serve the society in the right path"**

MISSION:

Our Institution Strive to attain the following Mission statements in order to achieve the Vision of Sri Bharathi Engineering College for women,

- **To create conducive atmosphere for Active Teaching-Learning process by adopting Outcome Based Education to turnout an Intellectual Women Engineers.**
- **To impart value based Education to become Valued Human and professionally groom as Ethical Engineer in the field of Engineering and Allied Areas.**
- **To inculcate R&D activities in emerging areas of Engineering and Technology to address the day to day issues faced by the society.**
- **To practice lifelong learning and empowering women students to serve the society as learned person.**

ABOUT THE CONFERENCE:

Artificial Intelligence is the simulation of human intelligence by machines, especially computer systems. The Internet of Things is a network of interrelated devices that connect and exchange data with other IoT devices and the cloud. These Emerging techniques (AI and IoT) plays vital role in the recent technological advancements in engineering fields and provides an excellent applications in various sectors such as in Civil Engineering - In construction industry such as activity monitoring, risk management, resource and waste optimization, Electrical Engineering - In Electrical power systems, forecast equipment faults, and improve energy efficiency, Electronics and Communication Engineering - solutions like smart cities, smart home, smart factory and connected vehicle are possible only because of IoT, Computer Science Engineering – Cloud computing, Network Analysis, Cyber Networks. The aim of the conference is to provide a platform to the researchers, instructors, students, scientists, engineers, managers, and industry practitioners to share their knowledge in those important areas, to meet cutting-edge development in their fields.

CALL FOR PAPERS:

1. Participants should send their research paper in IEEE format (Two Columns, Font size in 12 with Times New Roman) not exceeding 10 pages.
2. Participants should send their research paper in the email ID: sbecwconference2024@gmail.com
3. Selected papers will be intimated by email.
4. No TA/DA will be paid.
5. Best papers will be published in reputed indexed journals with additional cost.
6. All the accepted articles for the conference will be published in the Conference Proceedings with ISBN.

ELIGIBILITY:

The National conference is open to faculties from engineering colleges, UG/PG Degree level Engineering students, Research scholars & Private practicing Engineers are eligible to participate the conference.

TOPICS:

- IoT Communication Architecture and Technologies
- IoT Infrastructure for Next-Gen
- IoT for Industrial & Engineering Applications
- IoT enhanced Augmented Reality & Virtual Reality
- Blockchain Technologies for embedded IoT devices
- Battery-less systems for IoT
- Non-linear Systems and Control
- Wireless Sensor Technologies
- Wireless Mesh Networks
- Artificial Intelligence and Edge Computing
- Cyber Networks
- Machine Learning
- Fuzzy and Neural Networks
- Data Mining
- Distributed Computing
- Big Data Analysis
- Smart Grid
- Embedded Systems and Applications
- Intelligent Machines
- IoT in Waste Management
- Disaster Management using IoT
- Water Resources and Management
- Smart Environment and Applications
- 3D Printing in Construction
- Fire and Safety Engineering
- Smart Engineering Materials
- Renewable Energy Sources
- Remote Sensing
- Modern Electrical Drives
- Power Electronics and Devices
- Microprocessors and Microcontrollers
- Rehabilitation of Structures
- Electrical Vehicles
- Power Quality
- Cloud Computing
- Concrete Technology
- Irrigation Engineering
- VLSI Design
- Robotics
- Energy Efficiency and Sustainability Aspects of IoT
- Environmental Sensing using IoT

ORGANIZING COMMITTEE:

CHIEF PATRON

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Chairman, SBEI,

Shri.L.Dawood Gani

Secretary, SBEI,

Shri.N.Kanagarajan

Corespondent,

Sri Bharathi Engineering College for Women

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Sri Bharathi Engineering College for Women

CONVENER:

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ADVISORY COMMITTEE:

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Materials Protection Division,

CSIR – CECRI, Karaikudi.

Mr. R. Dinesh Kumar,

Program Analyst,

Wipro Technologies, Chennai.

REGISTRATION FEE:

(For Presentation, Indian Authors)

Sl. No	Particulars	Amount /Head
1	UG/PG Students	Rs. 300/-
2	Research Scholars & Teaching Faculties	Rs. 400/-
3	Industrial Persons	Rs. 500/-

FOR PAYMENT:

Scan QR and Pay

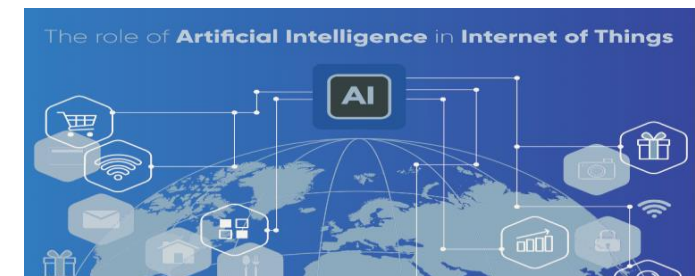


REGISTRATION LINK:

<https://forms.gle/Bdiv265BuUdbrf6Y9>

DATES TO REMEMBER:

- Deadline for Full Paper Submission: **29.01.2024**
06.02.2024
- Intimation to Authors on Acceptance of Paper: **30.01.2024**
06.02.2024
- Registration for Conference Start Date: **05.01.2024**
- Last Date for Conference Registration: **27.01.2024**
06.02.2024
- Conference Date: **03.02.2024-10.02.2024**



For More Details about Conference,

CONTACT US:

The Convener,

National Conference on Applications of AI and IoT in

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