

International Conference on  
**SUSTAINABLE COMPUTING  
& INTELLIGENT SYSTEMS**

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# PRELUDE

Sustainable Computing And Intelligent Systems are transforming the way technology supports society and the environment. With the rapid growth of digital technologies, it is essential to develop systems that are energy-efficient, environmentally responsible, and capable of solving complex problems through intelligent solutions. Sustainable computing focuses on reducing energy consumption, minimizing electronic waste, and promoting eco-friendly technological practices.

At the same time, intelligent systems such as artificial intelligence, machine learning, and smart automation help improve decision-making, efficiency, and innovation across various fields including healthcare, education, agriculture, and industry.

The “**International Conference on Sustainable Computing & Intelligent Systems**” provides a platform for researchers, academicians, and industry professionals to share knowledge, present innovative ideas, and discuss the latest developments in these emerging areas. The conference aims to encourage collaboration and promote sustainable technological solutions for a smarter and greener future.

## SUB-THEMES

- Sustainable Software Engineering
- Green Computing / Eco-friendly Hardware Design
- Sustainable Data Management
- Cyber Security / Network Security
- Data Analytics
- Edge Intelligence/Swarm Intelligence / Ethical AI
- Cloud Systems
- IoT for Smart Cities / Industrial IoT
- Smart Automation / Agriculture
- Digital Twins / Human-Robot Interaction
- Block chain for Sustainability
- Sustainable Architectures
- Digital Sustainability
- Sustainable, Intelligent systems & related topics



## **Sri. Vikas Surana**

*Correspondent*

*VSI, Chengalpattu*



### **“Great progress is often the result of consistent small efforts guided by vision and determination”**

Life often shifts between moments when we feel we have everything figured out and moments when we realize there is still much to learn. Challenges are part of every journey—whether in building a successful career, creating a happy home, or becoming a better individual. Every experience in life, whether positive or difficult, teaches valuable lessons and helps us grow wiser and stronger. At **Vidhya Sagar Women’s College**, we encourage students to develop leadership qualities and a strong sense of social responsibility. Our institution motivates students to strive for excellence, serve society, and work towards achieving their aspirations. This vision is supported by a dedicated team of experienced and enthusiastic faculty members who create a progressive and inspiring learning environment. It is a matter of great pride that the School of Science is organizing the “**International Conference on Sustainable Computing & Intelligent Systems**”. I hope this conference will provide an excellent platform for scholars, researchers, and professionals to share ideas, discuss innovations, and contribute to future technological advancements. I extend my best wishes for the success of this conference and thank all participants for their valuable contributions.



## **Sri. Suresh Kankaria**

*Treasurer*

*VSI, Chengalpattu*



### **“Innovation begins with a single idea and grows through Collaboration, Research, and Perseverance”**

A common thread of Vidhya Sagar Women’s College is to recognize diverse nature of women student’s and to create an impact on the provision of educational and mental health. Our institution ensures excellence in education by giving them an opportunity to develop methodological rigor in quantitative and qualitative research through intensive mentoring and projects. Apart from education our institution concentrates on activities such as seminars, conferences and hands-on-workshops, by this we influence the knowledge to students through diversity in conceptual, methodological and experiential dimensions by proving this the international conference organized by the Department of Computer Science on the topic **“International Conference on Sustainable Computing & Intelligent Systems”** which touches all aspects on the future technologies. We hope that the proceedings will serve as a useful reference of the state-of-art in application specific systems research.



**Dr. R. Arunadevi**  
*Principal*



**“Research and Innovation are the driving forces that transform small ideas into global impact”**

Warm greetings to all! It gives me great pleasure to know that the Department of Computer Science of **Vidhya Sagar Women’s College** is organizing the **“International Conference on Sustainable Computing & Intelligent Systems”**. In an era defined by rapid digital transformation and the growing influence of Artificial Intelligence, such academic gatherings are vital in fostering innovative thinking, collaborative research, and sustainable technological development. Science and technology today play a pivotal role in addressing global challenges and shaping a more sustainable future. Conferences like this create an intellectual platform where academicians, researchers, industry experts, and students can exchange ideas, explore emerging technologies, and contribute to the advancement of knowledge. At our College, we are committed to providing transformative education that nurtures curiosity, creativity, and critical thinking. Our institution strives to cultivate responsible and empowered individuals who are prepared to meet the evolving demands of society and contribute meaningfully to national development. I congratulate the organizers for their commendable efforts in hosting this conference and extend my best wishes to all presenters and participants. I am confident that this conference will lead to insightful discussions, valuable collaborations, and impactful research outcomes.

**Wishing you the best in all endeavours.**



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