

Timelines:

Abstract Submission : June 15, 2025

Notification of Acceptance: June 30, 2025

Full Paper Submission : July 1, 2025

Intimation to the participant: July 5, 2025

Abstract Submission Guidelines

Abstract Topic – abstracts must be allocated to a specific Theme, Topic and Sub-Topic. Use Times New Roman 12-point font, double spaced. References may be single spaced. Abstract title - limited to 20 words in UPPER CASE

Abstract text – limited to 200 words

Presenting author's contact details (should be the same details as the submitting author so that the presenting author receives the correspondence about the abstract).

Submission Rules for Papers:

Please follow these guidelines to ensure your paper is reviewed. Papers that are not prepared according to the formatting instructions given below will NOT be reviewed. Each paper can be submitted to only ONE thematic session.

Submitted papers must NOT have been previously presented, scheduled for presentation, published, or accepted for publication by any other source (journal, publisher or any other organization).

If a paper is under review at the time of submission, it must NOT appear in print before the Conference. NO changes in the paper title, abstract, authorship, nor submitted document can occur AFTER the submission deadline.

Formatting your Paper

The maximum length of the submission is 20 pages (including title page and all figures, tables, appendices, and references.) - limited to 5,000 words

Use Times New Roman 12-point font, double spaced. References may be single spaced.

The entire paper submission (title page in title case, abstract (200 words), main text, figures, graphs, tables, references, etc.) must be in using the following formats: Microsoft Word (.doc, .docx).

Make sure that the file or document uploaded is virus-free before submitting.

Abstracts and Full papers may be sent to chandu.jinka@gmail.com

Participants must register prior to the registration deadline to present their papers. All authors must register.

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International Conference on

Electrifying the Future:

Innovations, Challenges & Sustainable Mobility”

(EFICS-2025) (Hybrid Mode)

On 14th & 15th July, 2025



under the aegis

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Rashtriya Uchchatar Shiksha Abhiyan



Organised by

Dept. of Electrical and Electronic Engineering (EEE)
S.V.U. College of Engineering
SRI VENKATESWARA UNIVERSITY
Tirupati, Andhra Pradesh, INDIA



SV UNIVERSITY:

Sri Venkateswara University College of Engineering was established as a constituent college of the Sri Venkateswara University, Tirupati, in the year 1959. Tirupati, a sacred temple city lies at Seshachala hill range of Tirumala, the abode of Sri Venkateswara, the Lord of Seven-hills. The University campus is spread over 1000 acre land and has a peaceful locale with its periphery between the Tirumala hills and the highway.

S.V.University College of Engineering

Pandit Jawaharlal Nehru, India's first Prime Minister, laid the foundation stone for the S.V. University College of Engineering on October 13, 1959. Over the past 61 years, the institution has evolved into a leading technological hub in India, thanks to the dedicated efforts of both faculty and students. Initially, the college offered three traditional disciplines—Civil, Electrical, and Mechanical Engineering—culminating in a Bachelor of Engineering degree. Subsequently, new courses were introduced at both undergraduate and postgraduate levels to align with the evolving needs of technical education. Currently, the college offers 4-year B.Tech programs in Chemical, Civil, Electrical and Electronics, Electronics and Communication, Mechanical, and Computer Science & Engineering. B.Tech programs in these disciplines have received accreditation from the National Board of Accreditation (NBA). Additionally, M.Tech and Ph.D. courses are offered in all these branches, with some M.Tech programs also accredited by NBA.

Conference Theme:

The enhancement of Electric Vehicles (EVs) not only improve performance but also foster innovation, enable smart charging, and contribute to the creation of a technologically advanced and environmentally friendly ecosystem. AI plays a crucial role in managing energy consumption, ensuring safety, enhancing security, and promoting a pollution-free environment, aligning with the current and future societal demands.

The contemporary automotive landscape is evolving rapidly, driven by innovations in autonomy, electrification, and mobility. Consumer preferences are dynamic, ranging from a desire for more connected vehicles to heightened safety standards. Governments are also consistently introducing new regulations to support global initiatives for a greener society. Additionally, software has become a

pivotal component in modern vehicles, influencing various aspects such as connectivity, autonomous features, and embedded systems.

The revolution in the automotive industry is further propelled by the emphasis on vehicle electrification. Designing electric vehicles efficiently, profitably, and with consumer appeal poses a significant challenge. AI emerges as a key player in the development of intelligent systems, offering cost-effective solutions to complex real-life problems that traditional computing methods struggle to address. This technological revolution is reshaping the automotive market, necessitating the use of advanced tools and technologies.

As digital technologies continue to advance, the demand for autonomous transport solutions is on the rise, disrupting traditional approaches to vehicle manufacturing. Smart and connected vehicles, powered by soft computing, present both challenges and opportunities for automakers. Navigating the increasing complexity of developing future vehicles requires the adoption of the right tools and technologies. The integration of AI into the automotive industry is not only a response to current trends but also a proactive step towards addressing the evolving needs of society.

The electric vehicle (EV) landscape was rapidly evolving with various ongoing developments and emerging trends. Keep in mind that the information might be subject to change, and it's advisable to check the latest sources for the most current updates. Some potential latest topics and trends in the electric vehicle industry include:

1. Battery Technology Advancements:

Ongoing developments in battery technology, including advancements in energy density, charging speed, and overall performance.

2. Solid-State Batteries:

Research and progress in solid-state batteries, which have the potential to offer higher energy density, longer range, and improved safety compared to traditional lithium-ion batteries.

3. Fast-Charging Infrastructure:

Expansion and improvement of fast-charging networks to address range anxiety and promote the widespread adoption of electric vehicles.

4. Vehicle-to-Grid (V2G) Technology:

Integration of V2G systems that allow electric vehicles to not only draw power from the grid but also return excess energy, contributing to grid stability.

5. Autonomous Electric Vehicles:

The intersection of electric and autonomous vehicle technologies, with a focus on the development of self-driving electric cars.

6. EV Models and Market Expansion:

Introduction of new electric vehicle models by established automakers and the entry of new players into the EV market.

7. Government Policies and Incentives:

Evolving government regulations, incentives, and policies that influence the adoption and manufacturing of electric vehicles.

8. Environmental Impact and Sustainability:

Increasing focus on the overall environmental impact of electric vehicles, including sustainable manufacturing processes and end-of-life considerations for batteries.

9. Collaborations and Partnerships:

Collaborations between automotive manufacturers, technology companies, and energy providers to enhance various aspects of the electric vehicle ecosystem.

10. Wireless Charging Technology:

Development and implementation of wireless charging technologies, aiming to simplify the charging process for electric vehicle users.

Targeted Participants:

- Academicians Research Scholars
- Entrepreneurs & Business Leaders
- Representatives from Civil Society and Business Associations Other interested individuals

Registration Fee includes boarding and lodging for the duration of the conference and the conference kit. Please note that accommodation is limited, and participants are encouraged to register early.