



SRI VENKATESWARA COLLEGE OF ENGINEERING AND TECHNOLOGY Thirupachur, Thiruvallur- 631203 Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai, 600025 (AUTONOMOUS)

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GOLDEN WORDS FROM CHAIRMAN

It is my pleasure to communicate through this Website of Sri Venkateswara College of Engineering and Technology. Education plays a vital role in building future of a person vis-à-vis nation building. Choice of an institute of repute and right subject play an important role in the career of a student.

Sri Venkateswara College of Educational and Cultural trust which runs this college is committed to provide quality education in building the future of today's youth. In the era of globalization, working environment has become highly competitive and challenging.

Instead of intrincating materialism through only class room education, the college motivates students to take part in debates, quizzes, seminars, industrial visits, interactive sessions, indoor and outdoor games, host of other programme and activities to inculcate in them sound moral values, strong personality and enthusiasm.

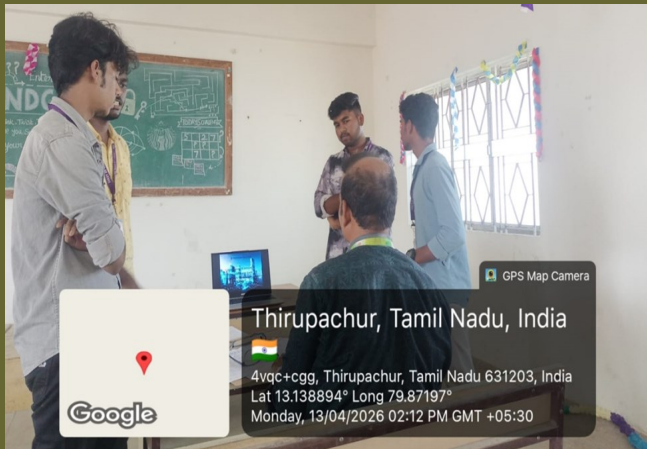
I invite the students and people at large to visit this web-site regularly to have regular and updated information about the college. This will be of

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

IDEATHON-EXPLORING THE IDEAS



An ideathon is a short, focused event where people team up to brainstorm, develop, and pitch creative solutions to real-world problems. It focuses on new concepts rather than fully built code. An Ideathon is a short, intensive innovation event where participants collaborate in teams to identify real-world challenges, generate creative ideas, develop feasible solution concepts, and present their proposals to a panel of judges. Unlike a hackathon, which focuses on building working prototypes or software, an ideathon emphasizes innovation, problem-solving, and the quality of ideas. Participants are evaluated based on creativity, feasibility, impact, scalability, and the effectiveness of their presentations. Ideathons encourage teamwork, critical thinking, and entrepreneurial skills while providing a platform for transforming innovative concepts into potential future projects or startups. Our institution successfully organized Ideathon 2026, a dynamic innovation event that brought together enthusiastic students from various departments to develop creative solutions for real-world challenges. The event provided an excellent platform for participants to showcase their problem-solving abilities, teamwork, and entrepreneurial mindset. The Ideathon commenced with an inaugural session highlighting the importance of innovation, design thinking, and sustainable technological development. Participants formed teams, identified pressing societal and industrial problems, and worked collaboratively to generate innovative and practical solutions within the given timeframe.



The team comprising **Balaji S, Kishor V, Santhosh Kumar S, Ram Prasath H** presented their innovative project titled **AI & IoT Based Smart Waste Management System** at the Ideathon. Our project aims to make waste collection smarter, faster, and more efficient. An Ultrasonic Sensor is placed inside the dustbin to measure the garbage level. When the bin becomes full, the sensor detects it and sends the information through IoT. The collected data is stored in the Cloud, where it can be monitored in real time. AI can analyze the waste-level data and help predict which bins may become full soon and suggest better collection routes. A Mobile App can display the bin status, location, and alerts to the workers. This helps avoid overflowing bins, unnecessary trips, fuel wastage and time wastage

IDEATHON-EXPLORING THE IDEAS

The team comprising **B. Bharath, M. Arthi, and D. Janani** presented their innovative project titled **"AI-Based Crowd Management System"** at the Ideathon. Their solution demonstrated the effective use of Artificial Intelligence to enhance crowd monitoring, improve public safety, and support efficient real-time crowd management. In recognition of their outstanding innovation and presentation, the team was awarded **Second Prize** in the Ideathon competition. Congratulations to the team on this remarkable achievement.



ELECTRO QUIZ

An **Electro Quiz** is a technical knowledge competition designed specifically for **Electrical and Electronics Engineering (EEE)** students. It provides an interactive platform for students to assess and enhance their understanding of fundamental and advanced concepts in electrical and electronics engineering. The quiz encourages analytical thinking, problem-solving skills, and teamwork while exposing participants to recent technological developments in the field.

The competition typically covers a wide range of topics, including **Basic Electrical Engineering, Electrical Machines, Power Systems, Power Electronics, Control Systems, Analog and Digital Electronics, Circuit Theory, Measurements and Instrumentation, Renewable Energy Systems, Electric Vehicles (EVs), Battery Management Systems (BMS), Industrial Automation, PLC and SCADA, Microcontrollers, IoT applications, and current technological advancements**. Questions may be presented in multiple formats such as multiple-choice questions (MCQs), rapid-fire rounds, circuit identification, numerical problem-solving, image-based questions, and technical aptitude challenges.

The primary objective of the Electro Quiz is to strengthen students' technical knowledge, improve logical reasoning and decision-making abilities, and promote healthy academic competition. It also helps students prepare for competitive examinations such as **GATE, IES, PSU recruitment**, and campus placement interviews by reinforcing core engineering concepts.

An Electro Quiz serves as an effective learning activity that motivates students to stay updated with emerging technologies, develop confidence in technical discussions, and foster innovation in the field of Electrical and Electronics Engineering. It is an excellent platform for showcasing technical excellence, collaborative learning, and professional development.

ELECTRO QUIZ



AN ARTICLE ON "DEVELOPED TECHNOLOGY"

DEVELOPED TECHNOLOGY

Transforming the Modern World

Technology has developed rapidly over the past few decades, changing the way people live, work and communicate. From artificial intelligence and robotics to renewable energy and advanced healthcare, modern technology has improved the quality of life and created new opportunities across the globe.

One of the most significant developments is artificial Intelligence (AI). AI enables computers to perform tasks that normally require human intelligence, such as recognizing speech, analyzing data, and making decisions, making these sectors more efficient and accurate. These innovations support a cleaner environment and contribute to sustainable development.

AN ARTICLE ON “ DEVELOPED TECHNOLOGY”

Despite its many benefits, technological development also brings challenges including cybersecurity risks, privacy concerns, and the need for responsible use of AI. Governments, Business, and individuals must work together to ensure technology is used ethically and safely.

In conclusion, developed technology has become an essential part of modern life. It drives innovation, boosts economic growth, improve healthcare, and education. By using technology responsibly, society can continue to benefit from remarkable potential while addressing its challenges.

**AN ARTICLE BY
R.VENNILA-II YEAR- EEE**



www.sriventech.ac.in

Vision

To provide the excellent standard of education in the field of electrical and electronics and meet the global standard and inculcate the ethical and human values of the society.

Mission

- Providing them the good knowledge in the engineering technology
- Enhancement their knowledge and thoughts research.
- Making them understand about the importance of the engineering technology in today world and to be a global competence.
- Educating them about the social and human values.
- To make them understand how to be a create and innovative engineers.

