



S.A. ENGINEERING COLLEGE

(An Autonomous Institution Affiliated to Anna University Chennai)

Accredited by NAAC 'A' Grade & ISO 9001:2015 Certified Institution



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ELECTRONICS WIZARD's Tech Spark for Electronics, Embedded & Research

ACTIVITY REPORT

Event Title:

Group Discussion (Embedded systems)

Organized by:

Department of Electronics And Communication Engineering

Date:

16th July 2025

Time:

2:00 PM

Venue:

EDC Lab, S.A.E.C

Faculty Coordinator:

Mrs. E Lavanya, Assistant Professor,
ECE Department

Mrs. Amrutha V Girish, Assistant Professor
ECE Department

Student Coordinators:

Mr. Kumaraguru
Mr. Bharath

OBJECTIVE OF THE EVENT:

The objective of this group discussion is to enhance the understanding of Embedded Systems among students by encouraging collaborative learning, critical thinking, and idea exchange. Through this interactive session, students aim to explore real-world applications, current trends, and challenges in embedded technology, while developing their communication and technical articulation skills.

SUMMARY OF THE ACTIVITY:

The Electronics Wizard's Innovative League inauguration was held at 2:00 PM in the EDC Lab. The event began with an introductory note by Mrs. E Lavanya, who emphasized the importance of Electronics in shaping the future of electronics and communication industries.

Student coordinators played a vital role in organizing and moderating the sessions. Discussions have revolved around embedded system and emerges current trends and challenges in embedded system.

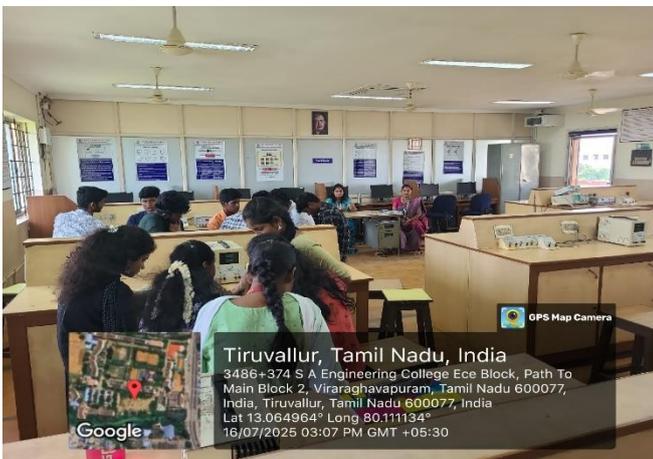
Students actively participated, shared ideas, developed communication skills, and promoting collaborative learning. The event laid the foundation for upcoming research-driven initiatives.

EVENT GLIMPSES:

1. Student Coordinators Presenting and Engaging the Audience
2. Interactive Session with Peer Discussions
3. Mr. Kumaraguru Leads the Introduction on Embedded system

KEY HIGHLIGHTS:

1. Launch of Electronic Wizard Innovative League
2. Peer-led sessions on Embedded system and recent trends
3. Exposure to communication and technical articulation skills
4. Strong students engagement



OUTCOME:

The group discussion successfully sparked interest and deeper curiosity among the students toward Embedded Systems. It encouraged active participation, critical thinking, and peer-to-peer learning. As a result, students gained better conceptual clarity, improved their communication skills, and expressed eagerness to explore Embedded Technologies through future projects, workshops and research initiatives.

CONCLUSION:

The Electronics Wizard stands as a remarkable initiative by the Electronics and Communication Engineering Department at S.A. Engineering College. With the guidance of Mrs. E Lavanya and Mrs. Amrutha and the vibrant support of student leaders, it stands as a strong step toward building a technically sound and research-oriented student community.



S.A. ENGINEERING COLLEGE

(An Autonomous Institution Affiliated to Anna University Chennai)

Accredited by NAAC 'A' Grade & ISO 9001:2015 Certified Institution



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ELECTRONICS WIZARD's Tech Spark for Electronics, Embedded & Research

ACTIVITY REPORT

Event Title:

Presentation (Introduction to Arduino)

Organized by:

Department of Electronics And Communication Engineering

Date:

23rd July 2025

Time:

2:00 PM

Venue:

EDC Lab, S.A.E.C

Faculty Coordinator:

Mrs. E Lavanya, Assistant Professor,
ECE Department

Mrs. Amrutha V Girish, Assistant Professor
ECE Department

Student Coordinators:

Mr. Kumaraguru
Mr. Bharath

The session began with a Power-Point presentation on Arduino by the students, under the guidance of Mrs. E. Lavanya and Ms. Amrutha V Girish. The presentation covered the introduction to Arduino, its hardware components, pin configuration, IDE setup, and basic programming structure. Students also explained how Arduino can be used in real-time applications like automation, sensor-based systems, and robotics. The session was interactive, encouraging questions and discussions to enhance understanding. It helped students gain a strong grasp of the fundamentals of Arduino and its role in embedded systems.





S.A. ENGINEERING COLLEGE, CHENNAI – 600 077

(Autonomous – Institute Level Research Centre – Affiliated to Anna University)

Accredited by NAAC with 'A' Grade, ISO 9001:2015 Certified Institution

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ELECTRONICS WIZARD's Tech Spark for Electronics, Embedded & Research

ACTIVITY REPORT

Event Title:

TINCKERCAD (CIRCUIT CONNECTIONS)

Organized by:

Department of Electronics And Communication Engineering

Date:

30th July 2025

Time:

2:00 PM

Venue:

EDC Lab, S.A.E.C

Faculty Coordinator:

Mrs. E Lavanya, Assistant Professor,
ECE Department

Mrs. Amrutha V Girish, Assistant Professor
ECE Department

Student Coordinators:

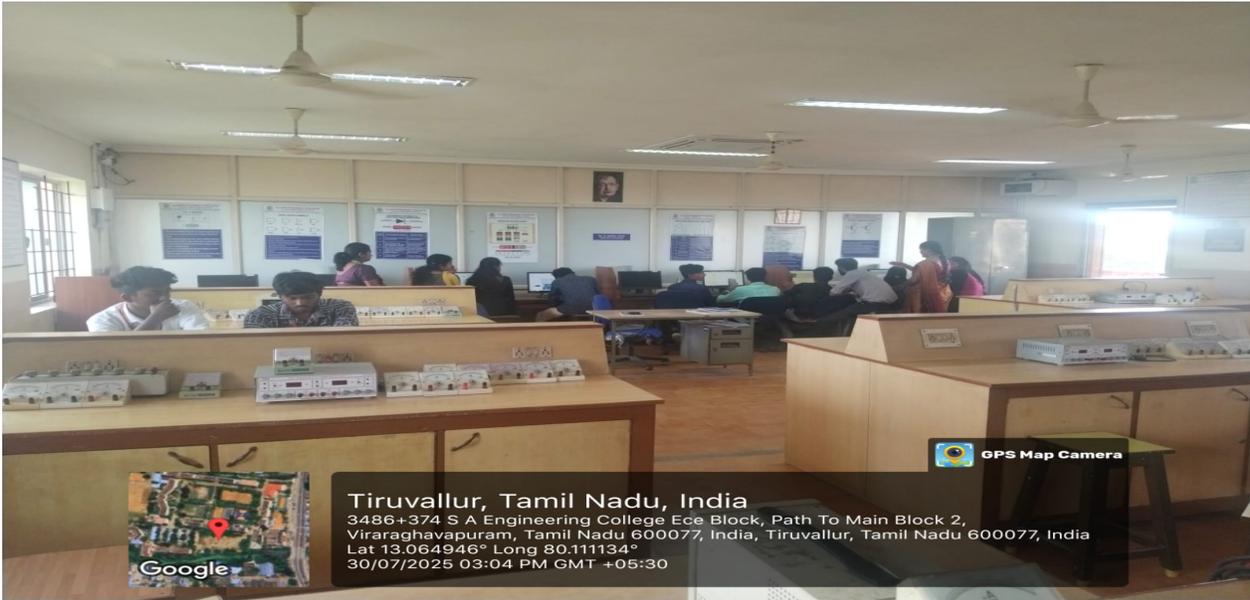
Mr. Kumaraguru
Mr. Bharath
Mr. Dinesh Babu
Mr. Jeeva

MISSION OF THE EVENT:

To introduce students to the fundamentals of circuit design and simulation using Tinkercad, enabling them to visualize and build electronic circuits virtually. The activity aims to develop practical skills in electronics, Arduino programming, and prototyping, encouraging creativity, logical thinking, and confidence in working with digital tools for real-world applications.

EVENT SYNOPSIS:

The club conducted a hands-on session focused on circuit design using Tinkercad, an online 3D modeling and simulation tool. Members explored the Basics of Electronic Circuit Connections by creating virtual circuits using breadboards, resistors, LEDs, and Arduino boards. Participants learned to simulate real-time connections, write simple Arduino code, and observe the output of their designs. The session aimed to enhance understanding of hardware prototyping without needing physical components. Overall, the activity fostered creativity, problem-solving, and technical skills in electronics and embedded systems.



CONCLUSION:

The Tinkercad club activity was a resounding success, providing participants with hands-on experience in 3D design and modeling. Through collaborative projects and guided tutorials, members developed their problem-solving skills, creativity, and technical expertise.



S.A. ENGINEERING COLLEGE, CHENNAI – 600 077

(Autonomous – Institute Level Research Centre – Affiliated to Anna University)

Accredited by NAAC with ‘A’ Grade, ISO 9001:2015 Certified Institution

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ELECTRONICS WIZARD's Tech Spark for Electronics, Embedded & Research

ACTIVITY REPORT

Event Title:

TREASURE HUNT

Organized by:

Department of Electronics and Communication Engineering

Date:

13th August 2025

Time:

2:00 PM

Venue:

EDC Lab, S.A.E.C

Faculty Coordinator:

Mrs. E Lavanya, Assistant Professor,
ECE Department

Mrs. Amrutha V Girish, Assistant Professor
ECE Department

Student Coordinators:

Mr. Kumaraguru
Mr. Bharath
Mr. Dinesh Babu
Mr. Jeeva

MISSION OF THE EVENT:

Treasure Hunt event was a problem-solving and creative thinking among its members. The activity was designed to challenge participants with a series of clues, puzzles, and tasks spread across [Location], leading them step-by-step toward the final treasure. With each clue solved, the participants not only moved closer to the prize but also experienced the thrill of exploration, collaboration, and friendly competition. This engaging event successfully combined fun with intellectual challenges, fostering a spirit of unity and enthusiasm among all attendees.

EVENT ORGANISERS	WINNERS		
	1st PRIZE	2nd PRIZE	3rd PRIZE
KUMARAGURU	DINESH BABUE	KESAVAN 9 T R E A S U R E H U N T) T	DEEPAK





S.A. ENGINEERING COLLEGE, CHENNAI – 600 077

(Autonomous – Institute Level Research Centre – Affiliated to Anna University)

Accredited by NAAC with 'A' Grade, ISO 9001:2015 Certified Institution

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ELECTRONICS WIZARD's Tech Spark for Electronics, Embedded & Research

ACTIVITY REPORT

Event Title:

GROUP DISCUSSION

Organized by:

Department of Electronics and Communication
Engineering

Date:

10th September 2025

Time:

1:30 PM

Venue:

EC TO4 , S.A.E.C

Faculty Coordinator:

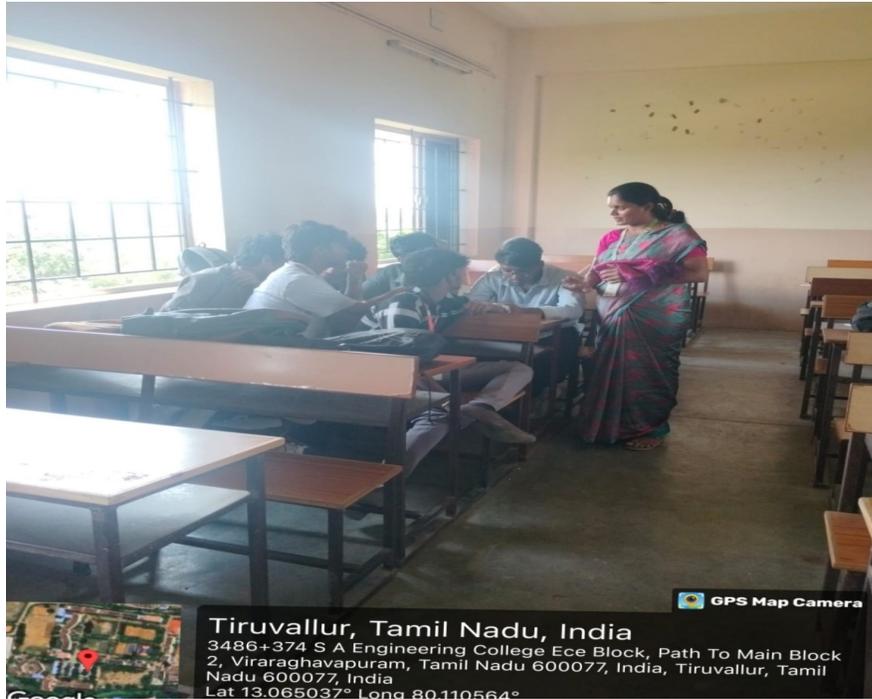
Mrs. E Lavanya, Assistant Professor,
ECE Department
Mrs. Amrutha V Girish, Assistant Professor
ECE Department

Student Coordinators:

Mr. Kumaraguru
Mr. Bharath
Mr. Dinesh Babu
Mr. Jeeva

SUMMARY OF THE EVENT:

The group discussion highlighted the essential role that Electrical and Electronics Engineering (EEE) plays in modern society. Participants discussed how EEE impacts our daily routines through appliances, lighting, communication devices, transportation systems, and healthcare equipment. Key points included the importance of electricity generation and distribution, the role of electronics in smart devices, and the growth of renewable energy solutions like solar panels and electric vehicles. The group also emphasized how EEE is driving innovation in automation, IoT (Internet of Things), and sustainable technologies. In conclusion, the discussion reinforced that EEE is a backbone of everyday life, enabling convenience, connectivity, and progress in almost every aspect of modern living.



Tiruvallur, Tamil Nadu, India

3486+374 S A Engineering College Ece Block, Path To Main Block 2, Viraraghavapuram, Tamil Nadu 600077, India, Tiruvallur, Tamil Nadu 600077, India
Lat 13.065037° Long 80.110564°



Tiruvallur, Tamil Nadu, India

3486+374 S A Engineering College Ece Block, Path To Main Block 2, Viraraghavapuram, Tamil Nadu 600077, India, Tiruvallur, Tamil Nadu 600077, India
Lat 13.065036° Long 80.11059°
10/09/2025 02:53 PM GMT +05:30



S.A. ENGINEERING COLLEGE, CHENNAI – 600 077

(Autonomous – Institute Level Research Centre – Affiliated to Anna University)

Accredited by NAAC with ‘A’ Grade, ISO 9001:2015 Certified Institution

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ELECTRONICS WIZARD's Tech Spark for Electronics, Embedded & Research

ACTIVITY REPORT

Event Title:

PRESENTATION

Organized by:

Department of Electronics and Communication
Engineering

Date:

17th September 2025

Time:

1:30 PM

Venue:

EC TO4 , S.A.E.C

Faculty Coordinator:

Mrs. E Lavanya, Assistant Professor,
ECE Department
Mrs. Amrutha V Girish, Assistant Professor
ECE Department

Student Coordinators:

Mr. Kumaraguru
Mr. Bharath
Mr. Dinesh Babu
Mr. Jeeva

SUMMARY OF THE EVENT:

The Electronic Wizard Club organized a presentation session where students delivered talks on various emerging topics in electronics and related fields. The main aim of the program was to enhance knowledge sharing, improve presentation skills, and encourage technical discussions among students.

The session provided students with the opportunity to learn from peers, exchange innovative ideas, and gain awareness of practical applications in electronics and engineering. It also fostered teamwork, confidence, and technical exposure, making the event highly beneficial for all participants.





S.A. ENGINEERING COLLEGE, CHENNAI – 600 077

(Autonomous – Institute Level Research Centre – Affiliated to Anna University)

Accredited by NAAC with ‘A’ Grade, ISO 9001:2015 Certified Institution

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ELECTRONICS WIZARD's Tech Spark for Electronics, Embedded & Research

ACTIVITY REPORT

Event Title:

POSTER PRESENTATION

Organized by:

Department of Electronics and Communication
Engineering

Date:

24th September 2025

Time:

1:30 PM

Venue:

EC TO7 , S.A.E.C

Faculty Coordinator:

Mrs. E Lavanya, Assistant Professor,
ECE Department

Mrs. Amrutha V Girish, Assistant Professor
ECE Department

Student Coordinators:

Mr. Kumaraguru
Mr. Bharath
Mr. Dinesh Babu
Mr. Jeeva

SUMMARY OF THE EVENT:

The Electronic Wizard Club organized a Poster presentation session where students actively showcased their creative ideas and technical knowledge on the themes Sustainable Energy and Sound Energy. Students displayed visually engaging posters, explained their ideas confidently, and interacted with peers and faculty. The session encouraged awareness of global energy challenges and motivated students to think about practical applications in the field of electronics and engineering. The session provided students with the opportunity to learn from peers, exchange innovative ideas, and gain awareness of practical applications in electronics and engineering. It also fostered teamwork, confidence, and technical exposure, making the event highly beneficial for all participants.

