AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY
Vinayaka Mission's Chennai Campus

DIAMOND
I-GAUGE

Cordially welcomes you all to

ELECTRACRAFTS

Fundamentals to Future: Exploring the Building Blocks of Electrical Engineering

Electrical Microproject

EXPO

28th March, 2025

10:00 AM onwards

Digital circuits & Microcontrollers Laboratory

INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiative)

Organized by:
Department of Electrical & Electronics Engineering

VINAYAKA MISSION'S RESEARCH FOUNDATION
(Deemed to be University under section 3 of the UGC Act 1956)

Accredited with 'A' Grade by NAAC

AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY
VINAYAKA MISSIONS RESEARCH FOUNDATION
(DEEMED TO BE UNIVERSITY)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REPORT ON EVENT "ELECTROCRAFTS"

Date: 28/03/2025 **Venue: Digital Electronics & Microcontroller Lab**

The Department of Electrical and Electronics Engineering (EEE) at AVIT organized a thought-provoking and interactive microproject expo titled **"ELECTROCRAFTS – Fundamental to Future: Exploring the Building Blocks of Electrical Engineering"** on **28th March 2025**. The event served as a platform for undergraduate students to demonstrate their understanding of **basic concepts in electrical engineering** through innovative and application-oriented microprojects.

The projects showcased were cantered around foundational topics such as **electrical circuits, current and voltage behaviour, resistance, capacitance, inductance, electromagnetism, AC/DC analysis, power measurement, and basic control systems**. Students creatively applied these core concepts to develop functional models that emphasized the importance of strong theoretical grounding in engineering practice.

More than **20** student teams participated in the expo, each presenting a unique approach to solving real-world challenges or illustrating fundamental principles in an engaging and practical manner. The event emphasized experiential learning, encouraging students to bridge the gap between textbook knowledge and practical implementation.

A panel of faculty evaluators assessed the projects based on technical accuracy, creativity, practical relevance, and presentation quality. The best projects were recognized to motivate further exploration and innovation.

The expo attracted wide participation from students, faculty, and visitors, sparking valuable conversations around engineering fundamentals. The event successfully created a dynamic environment where learning, demonstration, and innovation intersected.

ELECTROCRAFTS 2025 underscored the importance of mastering basic electrical engineering concepts as the foundation for advanced technological development. It reaffirmed the EEE department's commitment to nurturing hands-on learning and engineering excellence at AVIT.


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