Venue: Idea Lab

Date: 12 November 2025

Time: 02:00 PM onwards

Organized by: Green Energy Club – New Horizon College of Engineering

Faculty Coordinators: Mr. Vinod Kumar S

Total Number of Internal Participants:70

Targeted Audience: Students from EEE, ECE, and MEE Departments

Description of the Event:

The **Green Energy Club of New Horizon College of Engineering** organized an exciting technical event titled "SPARK-O-VISION", an Innovation and Circuit Design Contest on **12th November 2025** in **Idea Lab** , designed to test participant's knowledge**, creativity**, and **debugging skills** in the field of electronics and circuit design.

With the theme **"Think. Connect. Debug. Dominate**.", the contest aimed to encourage students to explore practical aspects of circuit design and apply theoretical concepts in innovative ways.

Event Structure:

The SPARK-O-VISION contest was structured into three progressive rounds, each designed to evaluate distinct technical and problem-solving abilities of the participants.

1. Quiz Round:

The opening round focused on testing the participants' fundamental understanding of electrical and electronic concepts. Questions covered circuit theory, current–voltage relationships, logic design, and basic programming related to hardware systems. This round helped shortlist teams with strong conceptual clarity and quick analytical thinking.

2. Circuit Connection:

In this round, participants were provided with partial circuit diagrams or problem statements and were required to design, connect, and demonstrate functioning circuits using available components. This round tested their hands-on skills, accuracy in connections, and understanding of practical circuit behaviour. Teams were judged based on correctness, innovation, and time efficiency.

3. Error Decoding:

The final and most challenging round involved debugging faulty circuits or codes. Participants had to identify errors in wiring, component placement, or logic flow and restore the circuit to full functionality. This round assessed their troubleshooting techniques, logical reasoning, and ability to perform under time pressure.

Participant Engagement and Learning Outcomes:

The event witnessed enthusiastic participation from multiple departments, with students forming teams that showcased strong collaboration and creative problem-solving. Each round generated healthy competition and encouraged active learning among participants.

Participants:

✓ Developed logical and analytical thinking through real-time challenges.

✓ Strengthened their circuit analysis and problem-solving skills.

✓ Gained hands-on exposure to electrical and electronic system troubleshooting.

✓ Worked collaboratively, improving communication and teamwork in a technical setting.

The structured format ensured that students not only competed but also learned from the process, gaining insights into strategic problem-solving methods applicable in Engineering and the Industry.

Total Prize Pool : ₹3000/-

Winners were awarded cash prizes and certificates of appreciation.

Organizing Team and Acknowledgments:

The event was successfully coordinated by

- THE GREEN ENERGY CLUB

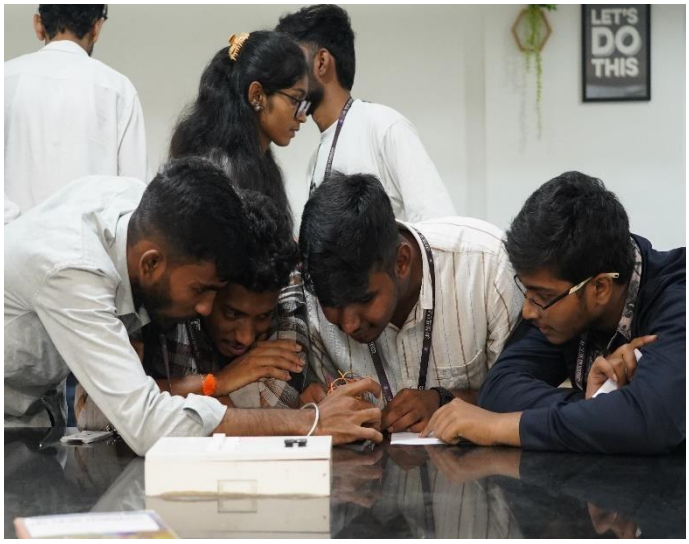
The dedicated efforts of the Green Energy Club ensured the smooth execution of the event. The active participation and enthusiasm of students contributed significantly to the event's success.

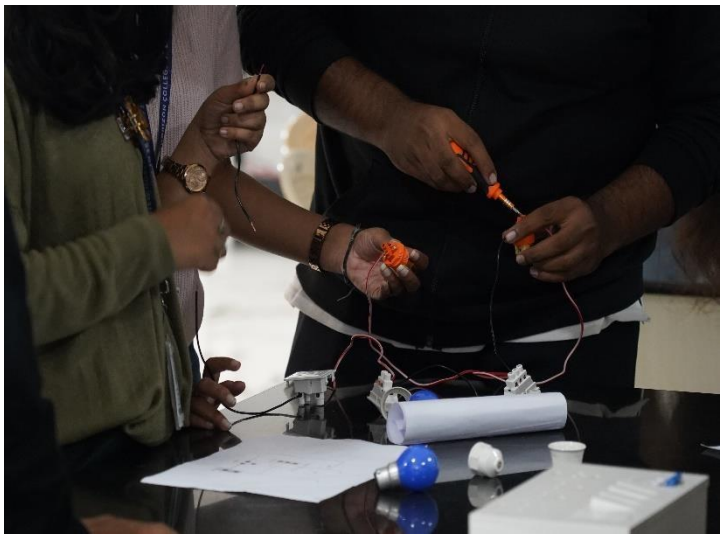
Conclusion:

SPARK-O-VISION proved to be an enriching and interactive experience for all participants. The event successfully achieved its objective of promoting innovative circuit design, critical thinking, and problem-solving among students. It fostered a spirit of teamwork and technical curiosity — aligning perfectly with the college's vision of nurturing future-ready engineers**.**

PICTURES


NEW HORIZON
Green Energy Club
SPARK
-O-
VISION
Innovation and Circuit Design Contest
"Think. Connect. Debug. Dominate."
12 November 2025
02:00 PM onwards
Idea Lab
Prize Pool : 3000/-
Follow for more


LET'S
DO
THIS




Green Energy Club
SPARK
-O-
VISION


Green Energy Club
SPARK
-O-
VISION


1st Place
NEW HORIZON
Green Energy Club
SPARK
-O-
VISION
"Think. Connect. Debug. Dominate."
12 November 2025
02:00 PM onwards
Idea Lab


2nd Place
NEW HORIZON
Green Energy Club
SPARK
-O-
VISION
"Think. Connect. Debug. Dominate."
12 November 2025
02:00 PM onwards
Idea Lab


3rd Place
NEW HORIZON
Green Energy Club
SPAR
-O-
VISION