ELECTRICAL ODYSSEY – Electrical Innovation Challenge

Electrical Odyssey is a technical innovation event designed to bring together students to explore, analyze, and solve real-world electrical engineering challenges. This event provides a platform for participants to showcase their technical knowledge, problem-solving skills, and simulation expertise before an expert jury panel.

The competition will be conducted over two days, encouraging participants to progress from conceptual assessment to simulation-based design and finally to an intensive hackathon challenge.

Event Themes (2 Days – Multiple Themes)

1. Innovations in Smart & Intelligent Electronic Systems

2. Next-Gen IoT and Automation Technologies

3. Sustainable and Intelligent ECE Solutions

4. Electronics for a Smarter Future

5. Smart Technologies for Everyday Applications

Event Structure

- Round 1 – MCQ Assessment

  The first round consists of multiple-choice questions based on core electrical engineering concepts.
  Teams will be evaluated based on their performance in the MCQ assessment.
  Shortlisting will be done based on the scores obtained.

- Round 2 – Circuit Design and Simulation

  Shortlisted teams will be provided with electrical problem statements.
  Teams must design and simulate the required electrical circuits.
  Evaluation will be based on correctness, design methodology, and simulation performance.
  Selected teams will be shortlisted for the final round.

Date: February 24, 2026 – Forenoon Session

- Final Round – Hardware Simulation Hackathon

  Shortlisted teams will be provided with problem statements prior to the hackathon.
  Teams are expected to study the problem statements and prepare in advance using open-source references.

Teams will develop and demonstrate a hardware-based electrical simulation within the given time.

Date: February 25, 2026 – Afternoon Session

Final evaluation will be based on innovation, technical implementation, feasibility, and presentation.

TEAM DETAILS

Team Size: Maximum of 3 members per team

Registration Fee: ₹100 per head

PRIZE POOL

Total Prize Pool: ₹5,00,000

The prize distribution will be decided by the jury based on the quality, innovation, and overall competitiveness of the solutions presented.