

TECHNICAL EVENT RULEBOOK

VidhyutVed – An Electronics Challenge

VidhyutVed is a fun-filled yet challenging technical competition designed to test participants' understanding of basic electronics concepts, logical thinking, and practical circuit-building skills.

The event follows a progressive structure: **Theory** → **Logic** → **Practical Application**, ensuring both learning and excitement.

General Rules

1. **Eligibility:** Open to all students with a valid college ID.
2. **Team Formation:** Participation is allowed only in teams of **2 members**.
3. **Time Management:** Each round has a fixed time limit. No extra time will be given under any circumstances.
4. **Fair Play:** Use of unfair means, external assistance, or AI tools will result in immediate disqualification.
5. **Decision Authority:** The decision of judges and organizers shall be final and binding.
6. **Code of Conduct:** Participants must maintain discipline, integrity, and professionalism throughout the event.

Event Structure

Round 1: Aptitude Surge – Test Your Basics

Format: MCQ-based test

Time Limit: 30 minutes

Total Questions: 40

Syllabus Includes: Basic electronic concepts

Marking Scheme:

- +1 for each correct answer

Round 2: Circuit Puzzle – Crack & Connect

Format: Puzzle-solving round

Time Limit: 30 minutes

Round Description:

- Teams receive clues or riddles describing electronic components.
- Each correct identification reveals a part of a circuit puzzle.
- Solving all clues allows completion of a full circuit diagram (e.g., rectifier, LED flasher, logic circuit).

Evaluation Criteria:

- Accuracy in component identification
- Time taken to complete the circuit puzzle

Round 3: Tambola Circuits – Play, Pick & Build

Objective:

To combine the excitement of Tambola with hands-on electronics circuit simulation.

Format:

Circuit Simulation using **Proteus Software**

Total Duration: 45 minutes

How It Works:

1. Each team receives a Tambola ticket with numbers.
2. Each number corresponds to a predefined circuit.
3. Numbers are called randomly by the organizers.
4. If a team has the called number, that circuit becomes their assigned task.
5. All teams start building their respective circuits simultaneously.
6. The team completing the correct circuit in the least time wins.

Time Distribution:

- Tambola Phase: 15 minutes
- Circuit Building & Demo Phase: 30 minutes

Evaluation Criteria:

- Circuit correctness and functionality – 60%
- Time taken – 30%
- Neatness and teamwork – 10%