IEEE AESS
IEEE DAY EVENT DRAFTS

TECHNICAL EVENT DRAFT

VidhyutVed is a fun-filled yet challenging electronics competition. The event tests participants' knowledge of basic electronics concepts, their problem-solving ability, and their practical circuit-building skills.

It consists of **three progressive rounds**:

1. Aptitude Test (theory)
2. Circuit Puzzle (logic and deduction)
3. Tambola Circuits (circuit building with a twist!)

The event is structured so that students move from **theory → logic → practice**, making it both educational and entertaining.

General Rules

1. **Eligibility**: Open to all students with a valid college ID.

2. **Participation**: In team of 2.

3. **Time Management**: Each round has a fixed time limit. Latecomers will not be given extra time.

4. **Fair Play**: Use of unfair means, external help, or AI tools will lead to disqualification.

5. **Decision Authority**: Judges' and organizers' decisions are final and binding.

6. **Conduct**: Discipline and integrity must be maintained throughout the event.

Tentative entries: 80 Teams (2 members per team)

Round 1: Aptitude Surge – Test Your Basics

Format: 40 Questions | 30 Minutes

Content:

• Ohm's Law, Current, Voltage, Resistance basics, Series and Parallel Circuits, Resistors, Capacitors, Diodes, Transistors Questions on various basic electronic concepts)

Question Type:

• Multiple Choice Questions (MCQs)

• **Marking Scheme**: +1 for correct answer

Entries for round 2: 40 teams (2 members per team)

Round 2: Circuit Puzzle – Crack & Connect

Format: Puzzle-solving | 30 Minutes

• For this round 2 teams will be combined making 1 team consisting 4 members each.

• Teams will be given **clues or riddles** describing basic electronic components (e.g., "I allow current only in one direction → Diode").

• Each correct answer reveals a **piece of a circuit puzzle**.

• Solving all the clues allows the team to complete a **full circuit diagram (like LED flasher, rectifier, or logic circuit)**.

Objective:

To test students' ability to connect concepts and identify circuit components logically.

Evaluation Criteria:

•   Accuracy in identifying components

•   Time taken to assemble the puzzle

Entries for round 3: 10 teams (2 members per team)

Round 3: Tambola Circuits – Play, Pick & Build

Objective

To integrate the thrill of the Tambola game with practical electronics. Participants don't just pick a circuit to build; they **win** it through Tambola numbers, keeping suspense and excitement alive.

Format: Circuit Simulation on Proteus Software | 45 min

How it works:

1.   **Tambola Tickets Distribution**

o   Each team is given a Tambola ticket with 15 numbers (like the standard format).

2.   **Mapping Numbers to Circuits**
o   Each number corresponds to a **specific circuit**.
3.   **Number Calling**
o   Organizers call numbers randomly.
o   If the number is on the participant's ticket → they "win" that circuit as their **challenge option**.

4.   **Circuit Building**
o   Once every team gets the circuit diagram the teams starts to build it at the same time.

o   The team who finishes the circuit in the least time wins the round.

Time Management

•   **Tambola Phase**: 15 minutes (number calling + circuit allocation).

•   **Demo and Circuit Building Phase**: 30 minutes.

Evaluation Criteria

•   **Circuit Correctness & Functionality** → 60%

•   **Time Taken** → 30%

•   **Neatness, Teamwork** → 10%

NON-TECHNICAL EVENT DRAFT

Introduction

One that blends the timeless charm of Bollywood with the intrigue of hidden stories. Welcome to "The **Rahasyamanch**", a stage where drama meets mystery, and every performance carries a twist.

General Rules:

- Eligibility: Open to all students with a valid college ID.
- Participation: In teams of 2.
- Fair Play: Use of unfair means, internet, or external help will lead to disqualification.
- Decision Authority: Judges' and organizers' decisions are final.
- Conduct: Discipline and honesty must be maintained.

Round 1: Bollywood Crossword Challenge

The Bollywood Crossword Challenge is a fun quiz-based puzzle event where participants solve

crossword clues inspired by Bollywood movies, songs, characters, and iconic dialogues. It combines memory recall, logical thinking, and the joy of cinema, making it a perfect entertainment-based intellectual challenge.

Round Format – Crossword Mania Rules:

1. Each participant/team receives a crossword puzzle sheet with Bollywood-themed clues.
2. Clues cover movies, songs, actors, and dialogues.
3. Time limit: 30 minutes (students have to cover maximum numbers to qualify for the next round)
4. 100 teams will compete (200 participates).

Marking Scheme:

+1 for every correct answer.

-1 for wrong answers.

0 for unattempted questions.

Selection Criteria: 100 teams will compete and top 30 teams will qualify for the next round.

Round 2: Treasure Hunt

The Campus Treasure Hunt is a thrilling adventure across the college campus. Participants solve clues, complete fun challenges, and race against time to reach the final treasure. It promotes teamwork, logical reasoning, and leadership while creating excitement all over campus.

Rules:

1. Grouping: 30 teams → 6 larger groups (5 teams each).
2. Fair Play: No use of vehicles, external help, or internet during the hunt.
3. Safety: Participants must remain within permitted campus areas.
4. Decision Authority: Organizers' decisions are final.
5. Total tentative time required for each phase(3 groups) is around 40 to 50 minutes.

Round Format – The Hunt

- Phase 1: First 3 groups compete, 1 winner qualifies.

- Phase 2: Other 3 groups compete, 1 winner qualifies.

- **Selection Criteria:** 1 Group from Phase 1 and 1 Group from Phase 2 will be qualify for last round. (10 Teams)

Round 3: Bollywood Buzzer Blast

The Bollywood Buzzer Blast is a high-energy quiz that tests reflexes, presence of mind, and

Bollywood knowledge. With clues presented as music clips, symbols, or silent videos, it promises thrill and entertainment for all.

Rules:

1. Total Teams: 10.

2. Fair Play: No use of unfair means; buzzer pressing before clue completion will be disqualified.

3. Decision Authority: Judges decision is final.

4. The whole round will be complete in 40-45minutes.

Round Format – The Buzzer Showdown

- Guess the movie using only symbols.

- Guess the song from a short music clip.

- Guess the song from a silent video (no audio).

- First team to press buzzer gets chance to answer

Marking Scheme:

Correct answer → +1 points.

Wrong answer → –1 points (optional negative marking). At the end, Top 3 scoring teams will be winners.