



TECHTRIX

THINK FAST. DECODE SMART. INNOVATE.

Rulebook

DATE: DECEMBER 5 2025

VENUE: AIML DEPT

**ORGANISED BY THE DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ARTIFICIAL INTELLIGENCE & MACHINE LEARNING, PESCE MANDYA**

What's TechTrix?

TechTrix isn't your average tech competition – it's a full-blown digital gauntlet designed to push your brain to its absolute limits. Whether you're a coding newbie or a debugging demon, this event levels the playing field with pure skill, creativity, and speed.

Across three intense rounds, you'll crack mysterious patterns, hunt digital clues like a cyber-detective, and debug your way out of a virtual prison. No BS, no fluff – just you, your team, and some seriously wild challenges that blend logic puzzles, OSINT investigation, and real coding chops.

Fast-paced? Check. Immersive? Absolutely. The kind of event that'll have you geeking out with your squad long after it's over? 100%.

3 Rounds

Logic →
Investigation →
Debugging

All Levels

Freshers to
seniors
welcome

Team Vibes

2-4 players per
squad

Round 1: The Pattern Probe

The Challengee

Welcome to the black box. You feed it input, it spits out... something. Your mission? Decode the transformation pattern hiding inside this digital mystery machine.

Teams will encounter cryptic transformations – like "code" mysteriously becoming "dpof" or "logic" morphing into "mphjd". No programming required, just pure deductive reasoning and pattern-spotting genius.

This round separates the quick thinkers from the overthinkers. The puzzles might stack layers upon layers, testing your ability to see connections others miss.

1

Analyze Input

Study the mysterious outputs

2

Spot Patterns

Find the transformation logic

3

Crack the Code

Deduce the complete rule

❏ **Pro Tip:** Speed matters, but accuracy matters more. The fastest correct deduction wins the day.

Round 2: The Digital Trail 🔍

Time to channel your inner digital detective. This isn't just a treasure hunt – it's a multi-layered investigation that blends coding clues, online sleuthing, and real-world action into one mind-bending experience.



Stage 1: Code Crack

Decipher a code snippet that reveals a mysterious username plus your first cryptic clue



Stage 2: Profile Hunt

Use OSINT skills to track down the profile. Social media, forums, hidden corners – wherever the trail leads



Stage 3: Blog Discovery

Uncover a blog link containing your second clue buried in the content



Stage 4: Hidden Instruction

Decode the real-world location and physical task waiting for you



Stage 5: Physical Challenge

Build a 3-2-1 can pyramid to complete your quest and advance

This round is where tech meets mystery meets IRL chaos. Your ability to Google-fu, read between the lines, and execute under pressure will determine who advances.

Round 3: Virtual Bug Escape Room

You're trapped. Not physically, but digitally – locked inside a buggy virtual system. The only way out? Debug your way through four progressively challenging mini-rounds. Welcome to the ultimate test of coding skill, logical thinking, and team coordination.



Syntax Maze

Fix the syntax errors to unlock the password for the next door



Logic Lock

Correct the flawed logic to reveal your next critical clue



Cyber Door

Decode messages using Base64, binary, Caesar cipher techniques



Final Exit

Combine all clues to construct the final escape key

This isn't just about knowing syntax – it's about staying calm under pressure, collaborating with your team, and thinking like a true problem-solver. Every bug you squash brings you closer to freedom.

Event Flow & Registration



Team Size

2 members per team. No solo warriors, no massive crews – just the right squad size for collaboration.

Entry Fee

₹100 per team. That's like, one pizza split four ways. Totally worth it for the experience and prizes.

Judging Criteria

Wondering how we separate the legends from the hopefuls? Here's exactly what our judges are tracking throughout every round. Master these elements and you're golden.



Speed & Efficiency

Time is literally points. Faster solutions with correct answers dominate the leaderboard. No room for overthinking.



Accuracy

Getting it right matters more than getting it done. Wrong answers don't just waste time – they cost you advancement.



Minimal Hints

Every hint you take chips away at your score. Show us you can figure it out independently.



Logical Clarity

Can you explain your reasoning? Clear, logical approaches score higher than lucky guesses.



Debugging Quality

In Round 3, it's not just about fixing bugs – it's about clean, elegant solutions that show true understanding.

Rules & Guidelines

Listen up – these aren't suggestions, they're the law of TechTrix. Follow them and we'll all have an epic time. Break them and... well, let's not go there.



Be Punctual

Respect everyone's time. Late = locked out. Doors close when rounds start, no exceptions.



No External Help

Your brain, your team, the provided resources. That's it. No phone-a-friend, no ChatGPT, no outside consultants.



Maintain Fairness

Play clean, compete hard. Cheating ruins it for everyone and gets you kicked out immediately.



Respect Volunteers

Our volunteers are making this happen. Treat them with respect – they're here to help, not to be your punching bags.



Misconduct = DQ

Harassment, cheating, or disruptive behavior gets you disqualified. Zero tolerance policy, no warnings.

Do's & Don'ts

Definitely DO This

- **Think fast, act faster** – Speed wins rounds when paired with accuracy
- **Communicate constantly** – Your team is your biggest asset, use them
- **Analyze creatively** – Outside-the-box thinking solves the hardest puzzles
- **Stay focused** – Distractions cost precious seconds you can't get back
- **Ask volunteers** – Stuck? Volunteers can clarify rules (but won't give answers)
- **Have fun** – Seriously, enjoy the chaos. It's all part of the experience
- **Learn from mistakes** – Every error is a lesson for the next challenge

Absolutely DON'T Do This

- **Panic under pressure** – Freaking out clouds judgment and wastes time
- **Cheat or plagiarize** – Instant disqualification, no second chances
- **Disturb other teams** – Sabotage is weak and gets you booted
- **Demand answers** – Volunteers guide, they don't solve puzzles for you
- **Give up early** – Push through the hard parts, that's where growth happens
- **Ignore teammates** – Solo play loses to coordinated teamwork every time
- **Break equipment** – Respect the tech, it's expensive and we need it working

Get Connected

Event Coordinators

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Registration

Sign up your team



Instagram

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See you at TechTrix!



May the fastest debugger
win.