

AMITY INTERNATIONAL SCHOOL, SAKET

*presents*

ATL TECHFEST

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bit  
2025

debug.log

*handbook*

**Event Heads:** Farhan Azam, Tishya Bhalla

**Phone:** +91 89203 88483; +91 98998 45873

**Email:** [farhan.azam@ais.amity.edu](mailto:farhan.azam@ais.amity.edu),  
[bhallatishya2008@gmail.com](mailto:bhallatishya2008@gmail.com)

# THEME

Debug.log is a programming-based event that aims to assess participants' logical reasoning and problem-solving abilities through Python.

Competitors from various schools will engage in two rounds of coding challenges hosted on HackerRank, where they will be required to analyze case studies, interpret real-world problems, and design efficient code-based solutions within a stipulated time frame. The event emphasizes accuracy, efficiency, and conceptual clarity in programming.

# OBJECTIVE

The objective of debug.log is to challenge participants to comprehend given problem statements, analyze their underlying logic, and develop optimal Python-based solutions. The event aims to enhance participants' understanding of computational thinking, debugging precision, and structured problem-solving while promoting creativity and clarity in code implementation.

# TIMEFRAME

	Prelims (Offline)	Finals (Offline)
<b>Duration:</b>	12th November 2025, 9:00 am	12th November 2025, 10:30 am
<b>Round Details:</b>	<p>Teams will be given five coding problems to solve within 45 minutes.</p> <p>Each problem will be case study- based, designed to test logic, debugging skills, and real-world problem-solving ability.</p> <p>All five problems must be attempted.</p> <p>The round will be conducted online through the HackerRank portal on-site.</p> <p>The 6 top-performing teams will be shortlisted for the on-site finals, based on accuracy, efficiency, and code.</p>	<p>Teams will solve <b>five coding problems</b> in the final round, each designed to test their <b>logic, debugging ability, and real-world application of programming concepts</b>.</p> <p>Participants will have <b>60 minutes</b> to complete all five problems.</p> <p>Each problem will follow a <b>case study format</b>, requiring analytical thinking and efficient coding.</p>

# EXPECTED OUTCOMES

Participants are expected to submit:

1. A functional Python programs that provide logical, accurate, and optimized solutions to the given case studies.
2. The submitted codes should reflect innovative thinking, clarity in approach, and a structured understanding of the problem statement.

# TECHNOLOGY & TOOLS

1. Participants are required to use Python as their programming language throughout the event.
2. All coding tasks will be conducted on HackerRank, an online coding platform that ensures fairness, real-time evaluation, and automatic scoring based on predefined test cases.
3. External compilers, IDEs, or internet searches (beyond the HackerRank interface) will not be permitted during the event.
4. Participants must therefore rely on their understanding of Python's syntax, logic, and standard library functions.

# JUDGING CRITERIA

Participants will be evaluated on the following parameters:

- **Accuracy:** Correctness of the program output across test cases.
- **Efficiency:** Time and space optimization of the implemented code.
- **Logic & Structure:** Clarity of thought and approach used in problem-solving.
- **Readability:** Proper use of functions, meaningful variable names, and clean code formatting.
- **Time Management:** Ability to solve problems effectively within the given time constraints.