दीन दयाल उपाध्याय कॉलेज
DEEN DAYAL UPADHYAYA COLLEGE
(दिल्ली विश्वविद्यालय) (UNIVERSITY OF DELHI)
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DDUC ACM STUDENT CHAPTER

REPORT
"Clue Miners"
Under
DDUC ACM STUDENT CHAPTER

KEY HIGHLIGHTS:

DATE : 7 February, 2025

TIMING : 10:00 am.

VENUE : Computer Science (Lab 2), Deen Dayal Upadhyaya College, New Delhi

NO OF PARTICIPANTS : 85

Faculty Sponsor, DDUC ACM Student Chapter :

Dr. Rajni Bala

Session Coordinators :

Dr. Rajni Bala

Mr. Sanjeet Kumar

Introduction:

On 7th February 2025, the DDUC ACM Student Chapter hosted Clue Miners, an exciting and intellectually stimulating competition that combined logical reasoning, web exploration, and programming challenges. Designed to push participants beyond conventional problem-solving approaches, the event provided a platform for students to apply their analytical skills in a competitive yet collaborative environment.

The competition attracted students from various academic backgrounds, highlighting the interdisciplinary nature of computational thinking. Whether working individually or in teams, participants engaged in challenges that required quick thinking, strategic planning, and technical expertise. The event's dynamic structure ensured that participants not only tested their existing knowledge but also gained valuable hands-on experience in a high-pressure problem-solving scenario.

Event Structure:

Round 1: Web Clue Hunt

The first round challenged participants to locate six hidden clues embedded within a custom-built website, requiring them to analyze patterns, identify hidden markers, and submit the correct answers within a strict 30-minute time limit. This round tested their ability to navigate web structures, recognize subtle hints, and apply logical reasoning under time constraints. The interactive nature of this challenge kept participants engaged and on edge as they raced against the clock.

Only the top ten teams that successfully decoded the clues advanced to the next round, adding an element of competition that pushed participants to sharpen their skills and refine their approach.

Round 2: Competitive Coding Showdown

The second round shifted the focus from clue-hunting to algorithmic problem-solving, testing participants' programming proficiency and logical reasoning. Hosted on HackerRank, this 90-minute coding battle required finalists to tackle a series of increasingly complex programming challenges using Python, C++, or Java. Each problem was carefully designed to assess core computational skills such as data structures, algorithms, and optimization techniques, ensuring a well-rounded evaluation of coding expertise.

Participants had to not only solve the given problems but also optimize their solutions for efficiency, as time complexity and execution speed played a crucial role in determining their final

scores. This round demanded resilience and adaptability, as teams had to quickly analyze problems, devise strategies, and debug their code—all while racing against the clock.

As the competition unfolded, participants exhibited a range of problem-solving approaches, from brute-force methods to sophisticated algorithmic techniques. The intensity of the challenge was matched by the excitement in the room, as every correct submission brought teams one step closer to victory. Ultimately, the top performers who demonstrated both accuracy and efficiency emerged as winners and were awarded cash prizes. Regardless of the final rankings, all teams were acknowledged for their participation and received certificates in recognition of their efforts and enthusiasm.

Conclusion:

Clue Miners aimed to foster a spirit of teamwork, logical thinking, and technical acumen among students by providing a platform that blended analytical problem-solving with hands-on coding challenges. The event's innovative two-round format ensured that participants engaged in both exploratory reasoning and rigorous computational thinking, enhancing their ability to approach complex problems strategically.

Beyond the competition itself, Clue Miners encouraged students to develop essential skills such as **pattern recognition, adaptability, and algorithmic efficiency**, which are highly relevant in today's technology-driven world. The event also provided an opportunity for participants from diverse academic backgrounds to collaborate, emphasizing the interdisciplinary nature of problem-solving in the digital age.

By creating a challenging yet enjoyable learning environment, the DDUC ACM Student Chapter successfully reinforced its mission to inspire budding technologists within the college. Events like Clue Miners not only nurture technical proficiency but also build a strong sense of camaraderie and intellectual curiosity among students. The ACM Student Chapter looks forward to organizing more such engaging experiences, further expanding opportunities for students to sharpen their analytical and programming skills while embracing the spirit of innovation and competition.


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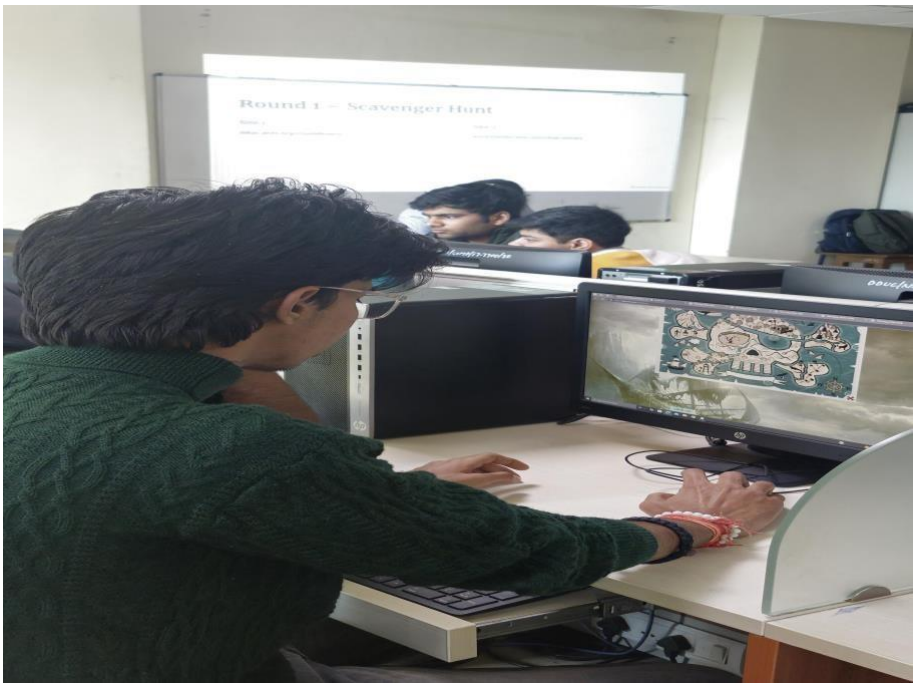
FINALLY FOUND HAPPINESS
AND IT MAKES ME SAD


Round 1 – Scavenger Hunt


Round 1 – Scavenger Hunt
Site 1
dduc.acm.org/clueMiners/
Site 2
www.hackerrank.com/duc-miners