Figure 1. Event Poster

INTRODUCTION *:*

On September 23, 2024, the **Eye Coders Club** hosted an exhilarating **Technical Treasure Hunt**, exclusively designed for 3rd-semester students of CSPIT-CSE. The event revolved around **Data Structures and Algorithms (DSA)**, allowing participants to engage in solving complex problems that revealed passwords and clues as they progressed. This event tested students' logical thinking, coding skills, and problem-solving abilities in an interactive and engaging format.

EVENT DETAILS:

- **Date:** 23rd September 2024 (Monday)
- **Time:** 1:00 PM - 4:20 PM
- **Venue:** Class No. 506, A6 Building, CSPIT
- **Participants:** 102 students

ORGANIZERS:

- **Lead Organizer:** Jayraj Lakkad
- **Co-Organizers:** Apurv Chudasama, Abhishek Patel, Ronit Khothari, Vasu Bhalani
- **Volunteers:** Jay Bhagat, Kachhi Maharshi, Rahul Mistri
- **Faculty Support:** Asst. Professor Hemang Thakar, Asst. Professor Dharmendrasinh Rathod
- **Convener:** Dr. Amit Thakkar (HOD - CSE)

EVENT OVERVIEW:

The event consisted of multiple phases, where students were split into teams and were tasked with solving coding problems related to **Data Structures and Algorithms**. Each team had to work collaboratively to progress through the various levels of the treasure hunt. The hunt involved solving codes, unlocking passwords, and finding QR codes scattered at different locations within CSPIT.

Phase 1: Starting the Hunt

- At the start, each team was given a **clue for the first location** and a **code** to solve. This code was based on **DSA problems** that the teams had to solve to generate a password.
- The **password** from the solved code was used to unlock a **PDF file** at the designated location.
- The PDF contained the next **clue for the second location** and another **coding challenge**.

Phase 2: First Location

- Upon reaching the first location, each team found **10 to 15 QR codes** scattered across the venue.
- These QR codes led to **password-protected files**. To open a file, the team needed the password, which was generated by solving the first code.
- Unlocking the file revealed the next clue along with another code that had to be solved to move forward in the treasure hunt.

Phase 3: Second Location

- The second location also contained **10 to 12 QR codes**. However, this time, the password to unlock the files was a combination of the outputs from both the **first and second code solutions**.
- Once the correct password was entered, teams unlocked the **treasure PDF** at this location.
- The treasure PDF contained the **name of the final treasure location**, which was crucial to complete the hunt.

Phase 4: Reaching the Treasure

- After deciphering the final clue from the treasure PDF, teams raced to the final destination mentioned in the file.
- At this location, a **coordinator** was present who would verify whether the team had correctly identified the treasure by asking questions based on the content from the PDF.
- The **first six teams** to successfully find the treasure qualified for the final round.

Final Round: Coding Competition

- The top 6 teams entered the final round, where they faced two **advanced coding challenges** in the form of a **HackerRank coding competition**. These problems were also focused on **Data Structures and Algorithms**, and tested the teams on their ability to quickly solve complex coding challenges.
- Teams were evaluated based on the **accuracy** of their code and the **speed** with which they solved the problems. The team that performed the best emerged as the winner of the competition.

WINNERS AND PRIZES:

- **Winner Team**: The team that solved the challenges fastest and with the highest accuracy received a **cash prize of ₹1500**.
- **First Runner-Up Team**: The second-best team was awarded a **cash prize of ₹1000**.
- **Certificates**: All participants were given **participation certificates** to acknowledge their involvement in the event and their enthusiasm for learning and competition.

CONCLUSION:

The **Technical Treasure Hunt** was an exciting and engaging event that allowed students to apply their knowledge of **Data Structures and Algorithms** in a competitive yet fun environment. The event encouraged teamwork, quick problem-solving, and practical coding skills, while also providing an opportunity for students to enhance their critical thinking and coding knowledge. The event was a huge success, thanks to the meticulous planning and effort put in by the organizing team, volunteers, and faculty coordinators. Through this treasure hunt, students not only got the chance to challenge their technical skills but also experienced the thrill of competition. The positive feedback from participants and the lively atmosphere of the event further solidified its success.

Glimpse of the event:


#Winners


#RunnerUp