

R.C. Patel Institute Of Technology, Shirpur

Department Of Computer Engineering

The Detective's Dilemma

Event Rule Book

Common Rules:

- 1) Minimum 2 to maximum 4 participants per team.
- 2) Entry Fees: 200 Rs. per team.

Date: 25/02/2023

Time: 09:00 am

Eligibility criteria: Entry is open for all Engineering and Polytechnique students.

All participants will get a Participation Certificate from "R. C. Patel Institute Of Technology, Shirpur"

Theme:

A detective (Identity: Anonymous) is the best of the best. He is a no-nonsense specialist in the field of criminal investigation and is renowned for his unparalleled problem-solving skills. His mysterious aura and intimidating presence make him the stuff of nightmares for criminals everywhere. He's looking for detectives who are observant, pressure-performer, and critical thinker to solve a case of **Mysterious Robbery**. The case has been puzzling him for some time.

To be a part of his team one has to go through a pair of rounds to be eligible to work on the case. These rounds are specially designed by him to test the skills required to solve this mysterious case. The rounds are described below.

Rounds:

- **Round 1 – Hostages** (Time: 10:00 am To 12:00 pm)

To test the observation skill, the detective has created a situation where one of the team members will be captured as a **Hostage** who will provide prompts and/or signs (Non-verbal communication) to another team-mates (**Saviours**). Other team-mates will try to guess the task and will work on code implementation based on prompts.

Example: Suppose the task is to 'print number 5'. So, the hostage will try to explain this task to the Saviours non-verbally. Saviours will guess the task and write a code to print 5.

Rules: 1) Whole team (1 Hostage & other Saviours) will participate in this round.

2) A limited amount of time will be given to the Hostage and Saviours for explanation of task and implementation of code.

3) Teams will score points based on their performance.

Technical Requirements:

i) Any Programming Language (Java, C, C++, Python, etc).

ii) Basic HTML & CSS.

- **Round 2: Time Bomb** (Time: 01:00 pm To 02:00 pm)

In this round, the detective will test time & pressure performance of the participants. Teams will have to find and resolve defects or problems within a given code that prevents the program from running correctly. The goal is to stop the time bomb from exploding by debugging code before the timer hits zero.

Rules: 1) Whole team will participate in this round.

2) This is an elimination round.

Technical Requirement: Java

Qualified teams from above 2 rounds will be promoted to Round 3

- **Round 3: Mystery Hunt** (Time: 02:00 pm To 04:00 pm)

In this round, the detective will disclose the details related to Mysterious Robbery. Teams will be provided with **Clues** and **Database** to solve the case. Teams will use **SQL Queries** for retrieving crucial data to solve the mystery.

Teams solving the mystery fastest will be declared as winners.

*The rules may subject to change

By participating in The Detective's Dilemma, teams agree to abide by the rules and regulations of the competition. We wish you all the best of luck and may the best team win!!

Let's Solve the Unsolved!!