

# C - DEBUGGING

## 1. Problem statement:

"Debugging is twice as hard as writing the code in the first place. Therefore, if you write the code as cleverly as possible, you are, by definition, not smart enough to debug it."

C-Debugging is an offline programming event, which tests your logical, mathematical and basic programming skills. Program will be given to you, find the bugs and solve it!

## 2. Rounds:

### Round 1: MCQs (Elimination Round) – 30 minutes

- A set of 25 questions will be given with multiple options and participant have to choose the correct option for the question.
- Questions will be both subjective as well as objective or puzzle type.
- Questions will test basic analytical, mathematical and programming skills of the participants.
- Points will be awarded for each correct answer.
- Total points will be evaluated upon the correctness of the submitted answers.
- Points of Round 1 will be added to the points obtained in Round 2 for the final evaluation.

## **Round 2: Debugging (Final Round) – 30 minutes**

- A set of programs containing errors will be given to each participants.
- The questions will be solved in C language only.
- Points will be given on following basis :
  - Validation of code
  - Number of Errors.
  - Entering input 3-4 times by judges.
- Total Points = Total Points in Round 1 + Total Points in Round 2.
- Participants with the maximum Total Points will be declared as Winners.
- In case of tie, Round 3 (Tie-Breaker Round) will be conducted.

## **Round 3: Programming (Tie-Breaker Round) – 60 minutes**

- Four problem statements would be given to the participants.
- The participants have to write a gcc compilable C program by finding out the correct logic from the problem statement and given sample input-output .
- Total Points = Total Points in Round 1 + Total Points in Round 2 + Total Points in Round 3.
- Points will be awarded for solving each question as per given input and output pattern.
- Participant's code will be evaluated depending upon the correctness of the code, time complexity and space complexity.

- Participants with the maximum Total Points will be declared as Winners.

### **3. Competition rules:**

- Competition is open to all.
- Participants have to carry their institute identity card along with them.
- Report 15 minute prior to the given venue before the competition starts.
- Participant must use C programming language.
- Cell Phone are prohibited.
- Change in the rule ,if any, will be notified to registered participants and will be updated on the Megaleio website.
- In case, of breaking of rule. Participant will be disqualified. Certificate will not be provided to such participants.
- Do not discuss any strategy or logic of the program during a live contest.
- All Participants are expected to abide by the rules & regulations of the contest.
- Any Violation of the Rules & Regulations shall lead to the cancellation of the candidate from the competition.
- In case of any conflict, the decision of jury panel will be final and binding.

### **4. Team specifications:** Single entry

## 5.Prize Money:-

1<sup>st</sup> prize:- 2000rs/-

2<sup>nd</sup> prize:- 1000rs/-

6. **Coordinator details:** Darsh Patel – +91 72196 76535

**NOTE:** The participants are expected to be present at the venue before the event commences. Late comers are liable to be disqualified. Certificate of participation will be awarded to all the valid participants. For any queries contact the event coordinators.

