CRACKATHON

presented by Codecell

OVERVIEW

Crackathon is a full day competition planned during Abhiyantriki. Participants are tested on basic coding and problem solving skills. It is divided into three rounds of increasing complexity. Teams can consist of a maximum of two participants. There will be prizes for the top two teams in the final round, and certificates will be given to all the participants who make it to the final round. The top performers in the pre-event **CodeSpree** will be invited to the final round of Crackathon.

RULES

- Crackathon is a team competition consisting of 3 rounds.
- Each team can have at most 3 members (from the same institute).
- All teams must qualify through both the previous rounds to reach the third round.
- The third round will be a ranked contest, where the top ranked team will get the grand prize.

Round 1: Elimination

- The round shall be conducted in two slots. A team can participate in either
- slot, but not both.
- In this round, participants will be given a choice of 4 languages, namely C,C++,Java and Python.
- They will be provided with two independent tasks one of which will be jumbled code and the other one is an error ridden code. To qualify this round successfully, a team must debug both the tasks and provide the desired output.
- The difficulty of the round is easy.

Debugging
- The programs will be provided involving bugs, compilation errors,
- logical errors, etc.
- The contestants have to resolve all the issues with the programs and get
- the expected output.

Broken code

The participants will be provided with a broken code, i.e program for the given problem statement will be incomplete in logic. The participants are expected to complete the given code statements to get the expected output.

Rules for Round 1

Teams that complete both the tasks of round 1 qualify for round two.
Time for each slot: 45mins
Total time for first round: 2 hours

Round 2: Challenge

- This round will have only one slot.
- Only qualifiers of 1st round are allowed to participate.
- The top 50% of the qualified teams will get a chance to pick up a random question from a collection of questions in the form of chits and a random team who will be their opponent again using chits.
- Both the teams will then proceed to solve the question and the team which cracks the problem first will qualify to the final round.
- The problems in this round will be from Codechef of intermediate difficulty.

Time for solving given problem statement: 45 mins
Total Time for Round 2: 1 hour

Round 3: Finale

- This will be a 150 minute long coding contest consisting of a range of
- problems with varying difficulty.
- It shall be a purely competitive programming contest.
- Only the teams that qualify round 2 shall be allowed to participate.
- The top performers of **Code Spree** from Mumbai will be given a direct entry into the final round.
- The top three teams will receive certificates and cash prizes. The rest of the
- teams which reach the final round shall get certificates.

- This round will be conducted on CodeChef. There will be about 5 problem
- statements for which the teams had to design a program in C, C++, Python
- or Java.
- The problems will involve discrete maths and algorithmic knowledge.
- This round will be of varying difficulty but tending to Hard.

Time for final round: 2.5 hours

Additional Rules

- The competition will be a team event. Each team can consist of maximum 3 members. If any member wasn't a participant of **CodeSpree** or wasn't a top performer in **CodeSpree**, then the team will have to pay the registration fee for that member.
- Only registered teams are allowed to participate.
- The decision regarding results by CodeCell team will be final.
- If a team fails to report on time, it will be disqualified.
- A team can participate in a round only once.

Registration fee: Rs. 50/- (Team of 2)
Prizes worth: Rs. 10,000/-

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