BUG-N-FEATURE
Bugs be gone, feature galore

INTRODUCTION:
Finding a bug and making a new feature is what all happens when it comes to industrial-level development. This event is inspired by the nature of programs. This event is divided into two rounds. Round 1 will be all about debugging the given problem statement. This round tests the debugging, analytical, and logical skills of the participants. It will bring out those who can clearly see the mistakes and correct them in the best possible manner. Round 2 will be on finding the most optimal solution. This round tests the algorithm development skills of the participants. Those who will be able to figure out the steps to solve and implement it will come out as the most skillful of all.

PRIZE MONEY:
1st Prize: Rs. 3500
2nd Prize: Rs. 2500
3rd Prize: Rs. 1500

PROBLEM STATEMENT:
ROUND 1:
- Total no. of questions - 5 (A, B, C, D, E)
- Total Duration - 60 minutes
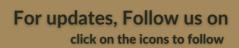- Language of Code Snippets - C++

This round will consist of 5 problems with increasing difficulty levels from A to E. The participants will be given the question, code snippets, sample input & output. The code will contain errors like syntax errors, logical errors, semantic errors, runtime errors, segmentation faults, endless loops etc. Under a time constraint, the participants will have to debug the given code. The participants have to look for such errors and try to fix as many as bugs possible.

ROUND 2:
- Total no. of questions - 2 (A, B)
- Total Duration - 120 minutes
- Language - Any Language of Choice

This round will consist of 2 problems with increasing difficulty levels A to B. The participants will be given the question, sample input & output, and input test cases text file. The participants will have to formulate a program that can give correct output for a maximum of the given test cases.

GENERAL RULES:

- Any misbehavior will lead you to disqualification from the competition.
- Decision Taken by Judges will be final and binding for all
- All decisions taken by the organizing team will be deemed final, and no more changes will be encouraged.
- Plagiarism in any form is strictly prohibited and can even result in the disqualification of contestants involved.
- The idea presented by the teams should be original (not protected by patent/copyright/technical publication by anyone else).
- If less than 10 teams will be registered, then only the first prize will be given and if less than 15 teams will register, only two prizes will be given.
- If any of the above-mentioned rules, if found violated, teams would not be allowed to participate in the competition.

JUDGING CRITERION:

- Round 1: The code will be judged based on the error corrected and depending on the importance of the line on which the error was corrected. If the error is on a line that is more important than others then it will be assigned maximum marks.
- Round 2: The received codes will be run through the test input cases. The team will be scored depending on the no. of inputs for which the code gives the correct output. If there is a tie in the scores then the time complexity will be given priority over space complexity.

EVENT PLATFORM
ROUND 1 & 2:

- Google classroom: For sharing all the materials and queries.
- Google Classroom: For Round 1
- Hackerearth: For conducting the event (Round 2)

TEAM SPECIFICATIONS:

- Team of 1/2/3
- It is an open event so anyone (within or outside SVNIT) can team up with anyone in the age bracket (16-21)
- Participants are required to submit their school/college ID cards.
- Once registered, the same team cannot register with another name or for another model other than the previously registered one.
- Every team must have a unique name that should not be offensive, conflicting or inappropriate.
- Organizers have the right to reject entries for any inappropriate team name

REGISTRATION DETAILS:

Fees: Rs. 50
Register at: **https://mindbendsvnit.in/**