

# TECHTRIX '17

INTO THE NEXT DIMENSION

## BugsFunny

### General Rules

- This is a debugging contest.
- The contest will contain three rounds and the code snippets can be provided in C/C++/Java
- It is an individual person event(No Team).
- Students who are still in school are not allowed to take part in this event.
- Each and every student needs to bring his/her ID card which is mandatory.
- Internet and book access during the event is prohibited. If any participating entity is found indulging in unfair means then the entity will be disqualified from taking part in the event.
- 1<sup>st</sup> and 2<sup>nd</sup> round will be held online.
- The participating entity has to solve the MCQ questions online according to the rules provided.
- The 3<sup>rd</sup> round will be held online.

### 1<sup>st</sup> Round

- There will be 30 MCQ questions which a participating entity has to solve to the best of the ability in 30 minutes.
- The questions will contain code snippets and theoretical knowledge based question on programming.
- The participating entity has to choose the correct option among the provided options.
- Top 10% of the participating entities will qualify for the second round based on the points scored.

### 2<sup>nd</sup> Round

- There will be 20 MCQ question of harder level which will require the participating entities to have deeper knowledge in programming. The time limit of this round in 30 minutes.
- The questions will contain code snippets and theoretical knowledge based questions on programming.
- The participating entity has to choose the correct option among the provided option.
- Top10% of the participating entities will qualify for the third round based on the points scored.



### 3<sup>rd</sup> Round

- The qualified teams will be provided with a source code containing 10 errors. The errors can be logical, syntactical, semantical or runtime.
- The team finding and solving all the 10 errors in the least time, or scoring maximum scores based on the scoring system given below, without changing the logic of the program and getting the desired output will be declared as the winner.
- The maximum time that will be provided for each team will be 30 minutes.

### Point System

- For every correctly marked answer in the 1<sup>st</sup> and 2<sup>nd</sup> round, the participating entity will be awarded +4 points.
- For every incorrectly marked answer in the 1<sup>st</sup> and 2<sup>nd</sup> round, the participating entity will be awarded -1 points.
- In the 3<sup>rd</sup> round, each of the team will be provided with a source code which will contain errors of different types.
- Syntactical errors will be easier to find out; hence a participating entity will be provided with +10 for each syntactical error found.
- Semantic errors will be harder to find out; hence a participating entity will be provided with +20 for each semantic error found.
- Logical errors will be hardest to find out; hence a participating entity will be provided with +50 for each logical error found.
- Only in case of a draw among the top two teams, the time will be considered. The team taking the least time will be declared as the winner.
- Each of the participating entity will be provided with the similar kind of source code containing the exact number of syntactical, semantical and logical errors where the number of each error will also be the same to eliminate any bias.
- In case of a dispute, the decision taken by the coordinating team will be final.

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