STEPCONE-2025
STANDARD OPERATING PROCEDURE

EVENT NAME: Civilogic

DEPARTMENT NAME : Civil Engineering

EVENT TYPE : Technical Event

EVENT DESCRIPTION:

Participants will be given basic problem statements that they must solve by coding by using Python within a set timeframe. The difficulty of the problems will increase with each round. The participant team with the highest score at the end of the rounds will be declared the winner. All participants will receive a certificate, and winners will receive a prize.

EVENT GUIDELINES:

Each team must consist of 2-3 members.

Round 1:

- Basic-level problem statements will be given.
- The first 10 teams from the overall participated teams those who are solving within the time limit will advance to Round 2.

Round 2:

- The difficulty level will increase compared to Round 1.
- Teams will have to solve medium level coding challenges, with points awarded based on accuracy and completion time.
- The top scoring teams from this round will move to the final round.

Round 3 (Final Round):

- This round will have the most challenging problem statements.
- Teams are expected to demonstrate advanced problem-solving and coding skills.
- The team with the highest accumulated score across all rounds will be declared as the winner.

Team Size/No of Participants: 45 Members

PLAN OF ACTION:

Day Shift

Duration of event:

2 hours

Judging Criteria:

Accuracy of Code (40%):

- Accuracy is the most critical factor in scoring.
- Each problem statement has a specific solution or expected output.
- Judges will evaluate whether the submitted code produces the correct output as per the requirements of each task.
- **Scoring Breakdown:**
  - Full points for accurate solutions without any errors.
  - Partial points may be awarded for solutions that are close to correct but contain minor errors or incomplete outputs.

Efficiency of Code (20%):

- Efficiency is evaluated based on how optimally the code is written.
- This includes considerations such as algorithmic complexity, memory usage, and the overall execution time of the code.
- Teams with more efficient and optimized solutions receive higher scores in this category.
- **Scoring Breakdown:**
  - Points will be awarded for executing efficient use of loops, functions, and data structures.
  - Extra points may be given for solutions that achieve optimal results with minimal lines of code or advanced techniques.

Time Taken to Solve Each Problem (30%):

- Each team have to execute the given problems within a given stipulated time.
- Faster completion earns higher points, incentivizing both speed and accuracy.
- Time penalties may be applied if teams take too long to complete a task beyond the time allocated.
- **Scoring Breakdown:**

- Full points are awarded to teams that complete tasks accurately.

Code Structure and Readability (10%):

- Judges will assess code structure, readability, and documentation.
- Clear and well-commented code that is easy to understand is encouraged.
- **Scoring Breakdown:**
  - Points are awarded for code that is well-organized, includes appropriate variable names, and follows consistent formating.
  - Additional points may be given if the team includes meaningful comments explaining their approach or any complex sections of code.

Expected no of participants: 60 Members

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