

## THREE IS A CROWD

### EVENT DESCRIPTION

This is a team-based coding event which requires basic knowledge of a programming language (say C++) and an open mind.

The teams will be given a task. The task will be divided into 3 Classes/Functions - The definition and description of what the classes/functions must do will be informed to the teams.

### FORMAT:

**Preliminary Round** A quiz like round where a series of programming puzzles or theoretical computer science questions will be given. 10 teams will qualify to the final round. ·

#### Final Round

**Planning phase** The teams will be given 45 minutes to plan the structure of the Classes/Functions they will be using. The teams will need to plan the functions they will be using- the name and the functionality of the function.

**Coding Phase** In this phase, the team members split, and start working on their individual systems, each working on their respective Classes/Functions. Here, it will be necessary to make calls to functions of other classes that a member is currently not working on. So, the planning phase is crucial. After a period of 20 minutes, the team members shuffle in a circular fashion, and continue to code where their teammate left off. This happens for a total of 3 times (i.e., 20+20+20 = 60 minutes for this phase).

**Integration Phase** In this phase the teams get to integrate their code on one system, and debug their Classes/Functions. The teams can test their codes with sample inputs provided. This will last for another 5 minutes.

26 February - 1 March 2015

## **RULES :**

The members of the team would be well separated -  
Team members working on Class/Function 1 will be seated separately, members working on Class/Function 2 separately and so on.  
Judgment of organizers is final.

## **JUDGING CRITERIA :**

All the three classes will be combined, compiled and tested with the sample inputs of the moderator.  
In case of any ties, faster solution will be given preference.

## **FAQ :**

### **1. Can there be a team of more or less than 3 members?**

No, there has to be team of exact 3 members.

### **2. Can people from different colleges form a team?**

Yes, members from different colleges can form a team together. There is no restriction on whether or not the members are to be from the same college.

### **3. Do the participants need to bring their own laptops?**

Yes. Each team member should have their own laptop for the event.

### **4. Is there any restriction on which year students can participate?**

Yes. Students pursuing undergraduate degree can only participate.

**5. Can a member make more than one function?**

Yes. To work on the solution for assigned function, team member can form any number of functions.

**6. What happens in case of a tie between two teams?**

The time taken to solve the question and the quality of the code (time complexity) will be considered.

**7. Is there any separate registration fee?**

No, there is no individual registration fee for this event.

**PRIZE MONEY Worth INR 20,000**

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