

# TECHNICAL CHAMPIONSHIP

## Round 2 Structure

Round 2 is going to be conducted during 28th & 29th of September (First two days of MindSpark'18) in COEP campus. This round will comprise of four tasks as described below. Every task will be given equal weightage. Checking will be done by judges and their decisions will be final. Judging criteria along with minute details and rules of the event will be informed before the commencement of event.

### **CADathon :**

A flawless drawing is an engineer's most important tool of perception. Similarly, it is equally important that drawing is in accordance with the actual manufacturing techniques. Sharpen your software skills and perception ability. Gear up to face the challenge!

In CADathon, you will be given orthographic views of an assembly and you will have to draw isometric view of that assembly or visa versa using AutoCAD 15. Duration of 2 hrs will be provided for the same.

### **Xterminate:**

*'Only half of the programming is coding, the other 90% is debugging!'*

Let's test our programming knowledge thoroughly in all its kind. In Xterminate, experience the joy of programming with a different twist!

You will be given two sets of problems. One set will have *programming* questions and the other set will have *debugging* problems. Each participant of a team will be assigned one computer. For the debugging problems, codes with logical and syntactical errors will be given and you are expected to correct *all* errors. In this round, team members will have to swap places after regular intervals of time (the duration of which will be specified at the time of the event). Each participant will be allowed to work on only one problem at a time, and the next problem will be provided only after completion of the current problem.

### **CROmate :**

Circuits are far more challenging in real life than on Pen and Paper! Let's test your theoretical knowledge of electronics and circuits in the practical world.

In CROmate, apply your electrical mind to get a desired output with given components within given time. Build and Test, not once but many times! Show your technical skills and prove yourself a CRO mate!

### **Exemplar:**

It is important to balance what you are learning in the classroom to actually applying all those theoretical concepts. This is what Exemplar is all about! "Exemplar" is a model making competition.

Your ability to make a structure of the highest quality from the given materials in given constraints is tested. Prove your *Mind's Spark* through your innovative, safe and cost conscious design and technique and you shall be a step closer to the title, MindSpark Champions!