

# CIRCUIT FIXER I

## EVENT OBJECTIVE:

Test your skills in the field of basic electrical and electronic circuits. Apply your theoretical knowledge and practical skills to conquer this event.

## EVENT STRUCTURE:

**Round 1:** It will be a quiz round consisting of multiple choice questions.

**Round 2:** This phase will check the problem solving approach of individual team. Teams may be asked to solve simple KCL and KVL (problems based on fundamental theorems of electrical) numericals. The time limits will be mentioned on the day of event.

**Round 3:** Problem statements will be given and individual team has to implement the circuit accordingly. Details about it will be given on the spot.

## RULES:

1. Only students from first year and second year are allowed to participate.
2. All the participants should have valid ID card of their respective institute with them along with the registration receipt.
3. The hardware necessary for the final round will be provided by the organizers.
4. The decision of judges and the organizers will be final and binding to all.
5. In case any assistance is needed during the event, the teams should approach only the event coordinators/organizers.
6. Participants are expected to be on time. Teams coming late may be disqualified.
7. Rules may be changed without prior intimation. Participants are requested to check the MindSpark website([www.mind-spark.org](http://www.mind-spark.org)) for updates.

## TEAM AND FEE STRUCTURE:

Team size : Maximum 2 participants per team.

Registration fee : ₹ 50/- per team.

## FAQs:

Q. Is on spot registration available?

A. Yes. On spot registrations are available.

Q. Who all can participate in the event?

A. Only F.Y. and S.Y. students can participate in Circuit Fixer 1.

Q. Is there a negative marking scheme?

A. Marking scheme will be declared on the spot.

Q. What if I damage any component or instrument during lab performance?

A. You will be straightaway disqualified or your marks will be deducted depending on the cost and availability of component you damage.

Q. On what basis teams will the teams be judged?

A. i) Completion of task within given time.

ii) Optimization and elegance of design.

iii) Logical thinking and approach to face the problem statement.

iv) Viva.

Q. What are the prerequisites for the event?

A. If you are thorough with the basics of electronics, basic laws and theorems of electrical engineering, you can crack it.

Q. Is there any restriction on team format?

A. No, there isn't. Team members can be from different branches and different colleges. However, one participant cannot be a part of two different teams for the same event.

Q. Is it possible to participate in other events of MindSpark?

A. You are free to participate in as many events as you want. However, you have to manage your own schedule.

### **SYLLABUS:**

Basic Electrical Engineering.

Basics of Digital Electronics.

Electronic Devices and Circuits.

### **EVENT HEADS:**

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