

CIRCUIT CRAZE

EVENT NAME CIRCUIT CRAZE

TOTAL NO. OF ROUNDS: 3

TIMING: 9-12:30

ENTRY FEE(PER PERSON): 150

PRIZE

1ST PRIZE: 1500

2ND PRIZE: 1000

EVENT DETAILS

DEMO

Initially the participants will be welcomed and they'll be segregated as a team of maximum 3 members . Then they'll be shown a demonstration video of the upcoming 3 rounds of the events.This session includes queries clarification and clear explanation of rules and safety measures.

ROUND 1 : CROSSWORD PUZZLE

1. Each team will be given an A4 sheet which contains the questions in the form of crossword puzzle.
2. The team which completes the puzzle first will submit their sheet to the event coordinators.
3. The coordinators will evaluate the paper based on timings and number of questions that are answered correctly
4. After evaluation the team will sent to next round.

ROUND 2 : TONER TRANSFER METHOD

1. Previously designed printed circuit layout will be given to each team in a glossy sheet, along with a copper plate.
2. The printed layout will be transferred to the copper plate by ironing in the ironing station.
3. After the above step,the board will be dipped into water for a min and the paper layer will be peeled off.
4. This printed board will be dipped into the ferric chloride solution for 15-20 min, this process is called as ETCHING.
5. The etched board will be evaluated on the basis of accuracy and precision and then they will be sent to the final round.

ROUND 3 : CIRCUIT DESIGNING

1. The circuit components, hand drill and other required materials will be given.
2. Holes will be drilled onto the board using a hand drill.
3. The participants will assemble the components into the PCB board and it will be verified with the co coordinators.
4. Once they are verified the components will be soldered to the pcb board.
5. Finally, the completed pcb will be verified for the desired output.

RULES AND REGULATION

- The participants should register as a team of 3 members, if there is a lack of team mates they will be allotted by the coordinators.
- The timing, precision and accuracy will be evaluated for each round and points will be allotted with respect to it.
- The components and required materials will be given to each team.
- Any form of vulgarity will lead to direct disqualification.