Rules & Regulations

DEPARTMENT: EC/IC/Electrical

NAME OF EVENT: CircuitX

NO. OF MAX. PARTICIPANTS: 150

EVENT DESCRIPTION:

Students of EC / Electrical / IC engineering can participate. The aim is to check the basic fundamental knowledge of the participants and at the same time provide them the opportunity to check their circuitry skills. There will be a variety of technical activities including MCQ test, circuit implementation and circuit designing.

Fundament knowledge will be tested in first round by technical MCQ type questions related to subjects like basic electronics, analog circuits and design, Digital electronics, and circuit analysis and networks.

In second round each group will be given a circuit diagram and required components. Participants have to implement it and obtain the stage wise required output in given specified time limit.

In round 3, participants are required to think and design circuit to get desired output for a given problem statement. To get output they have to use components provided to them.

TEAM SPECIFICATION:

50 teams, Minimum 02 and Maximum 03 participants per team

REQUIREMENTS:

Participant must have knowledge of subjects like basic electronics, analog circuits and design, Digital electronics, and circuit analysis and networks.

Circuit components will be provided by host institute.

GENERAL RULES:

- Students must have their current college identity card with them, at the time of reporting.
- Books and external materials/Mobile Phones/Internet/smart watches are not allowed in the competition hall.
- If a team practices unfair means, it will be eliminated immediately.
- If any participant/group of participants who are not ready/available at the event commencement time, they will be disqualified from the event.
- All the information pertaining to the task of the event will be provided at the beginning of the event.
- In case of any discrepancy, decisions of the Jury/ Committee members shall be treated as final and binding to all.
- Host institute reserves rights related to modification and updating the rules for successful completion of the event.

LEVEL DESCRIPTION:

- **Round1:(Day 1, 50 Minutes, 50 teams)**

Paper Based Test

1.It will be a preliminary test consisting of MCQ type questions focusing on concepts of basic electronics, analog circuits and design, Digital electronics, and circuit analysis and networks.

2. The test is to be attempted individually by each participant of the team, the average score of the team will be considered for eligibility in round 2.

- **Round2:(Day1, 90 Minutes, 20 Teams)**

Circuit making

1. This round will focus on the circuit implementation abilities of the participants.
2. The teams will be provided with circuit diagram and components. They have to implement a physical circuit and generate the required output.
3. There will be stage wise Evaluation for given circuit diagram.
4. Further Students will be asked to do some modifications in the given problem and show output.

Round3: (Day2, 120 Minutes, 10 Teams)

Innovation

1. This round will test the thinking capability of the participants.
2. Participants will be provided with problem statement and set of components. Using provided components, they have to design circuit and obtain specified output.

JUDGING CRITERIA:

Round1:

1. There will be 50 questions, each carrying 2 marks. For incorrect answer(s) 1 mark will be deducted. No deduction for unattempted question(s).
2. From round 1, 20 teams will be selected to feature in round 2 based on the marks scored

Round2:

1. In round 2, evaluation will be based on the accuracy of the completed task. 50% weighted for correct circuit implementation and 50% weighted for accuracy of desired output.
2. Summation of marks obtained in both the rounds will also be considered for the up gradation. 10 teams will be selected for round 3.

Round3:
Top 3 Teams will be selected by judges.

JUDGES:

Any one Academic Expert with minimum 10 years of experience in relevant discipline

AND / OR

Any one faculty from any other GTU affiliated college in the same zone

AND /OR

Any one faculty from the Host Institute

EVENT COORDINATORS:

You can contact the following coordinators if you have any query regarding the event.

Sr. No	Name	Faculty/ Student	Contact No	Email ID.
1	Nita Dave	Faculty	7984377741	ndmgecs@gmail.com
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