

1. **Name of Event: CircuitSim** **Eligibility Criteria** : UG students

2. **Brief description of Event:**

CircuitSim is a technical competition which will be held in two rounds. The **first** round is based on circuit simulation in which a model of an electronic circuit is created and analyzed using various software algorithms, to predict and verify the behavior and performance of the circuit. Selected students will be asked to design the circuit using any open-source software for example circuit simulation and schematic, everycircuit etc. In the **second** round, participants will be shortlisted based on the technical questions asked about the latest technologies in the field of Electrical Machines, Control System, Power System, Electronics, Artificial Intelligence, IoT, Smart Grid, Renewable Energy sources, etc.

3. **Date and Time of Event** : 24<sup>th</sup> March 2022 – 26<sup>th</sup> March 2022 (02:00 pm onwards)

4. **Logistics Required** : Google Forms and MS Teams will be used for the event, Circuit Lab will be used for simulation of the complex circuits.

5. **Event Join details** : MS TEAM code: c19668w

**Help desk No./** : 8882423096, Aryaman Kharbanda

6. **Rule and regulations for Event**

This Level of completion will require Technical knowledge related to engineering and will cover following variety of questions

**Day-1: Introductory Session (24<sup>th</sup> March 2022)**

- The event will start with a brief introduction about the university, sponsors and the deliberation on rules and regulations.

**Day-2: Circuit Design and Simulation (25<sup>th</sup> March 2022)**

- Each participant will be briefed about Electrical and Electronics circuits, components of these circuits, basics of simulation on various other softwares, simulation procedure on Circuit lab.
- There will be complex circuitry designs and the participants will be judged by their problem solving skills of designing circuits.

**Day-3: Quiz and Final Assessment (26<sup>th</sup> March 2022)**

- Each participant will be given a set of visual of equipment & components and they have to tell the correct name and application field.
- They will be given 30 seconds to answer each question.
- Top 3 best designers will be awarded.

Note: Assessment will be on the basis of right answer and time taken.

7. **Prizes** : Prizes worth ₹5000 (1<sup>st</sup> position), ₹2000 (2<sup>nd</sup> position), ₹1000 (3<sup>rd</sup> position).  
Participation E-Certificates will be awarded to all the participants.

8. **Event Coordinator**

Faculty Coordinators

Ms Anjali Jain

([ajain5@amity.edu](mailto:ajain5@amity.edu))

Dr. Ruchira Singla

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Student Coordinators

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