Amity Youth Fest 2024

Guidelines for Competition		
1.	Name of Competition	CIRCUITSIM
2.	Host Institute	Amity School of Engineering and Technology
3.	Brief Description of Competition	CircuitSim is a technical competition which will be held in three rounds. The first round is to test students based on their accuracy and precision for making electrical and Electronics circuits. The participants have to make the circuit as per the given components and find the results. In the second round, participants will be getting scores based on the implementation of circuit on simulation platform to check the results. After simulation the circuit will be applied on real time problems in the field of Control System, Power System, Electronics, Artificial Intelligence, IoT, Smart Grid, Renewable Energy sources, etc. This Level of competition is to judge the technical knowledge related to Electrical and Electronics engineering.
4.	Topics (if any)	**Design, Implementation and Application of Electrical and Electronics Circuits**
5.	Eligibility	Undergraduate students
6.	Rules	**Round 1.** A problem will be given to the participants, and they have to design the circuit to solve it. **Round 2:** Participants have to simulate the given circuit in MATLAB-SIMULINK environment and get the desired responses. **Round 3:** A real-time problem will be given to the participants, and they have to design the circuit in order to address the given task. *NOTE:* *Merit list for each round will be finalized based on accuracy and time taken to solve.*

7.	Schedule (Date andTime) of the competition date	**Round 1:** 29th Feb 2024, 11:00 AM onwards **Round 2:** 29th Feb 2024, 1:00PM onwards **Round 3:** 29th Feb 2024, 3:00PM onwards
8.	Venue	E1-201 & E1-202
9.	Event-in-Charge	Ms Neelam Verma (nverma2@amity.edu) Dr Anil Kumar Shukla (akshukla2@amity.edu)
10.	Student Co-Ordinator's	1. Mr. Shivam Kumar ([navyman56789@gmail.com/928933830](mailto:navyman56789@gmail.com)) 2. Rinchen Angmo ([Rinchen.angmo@s.amity.edu/](mailto:Rinchen.angmo@s.amity.edu) 8082206744) 3. Ms Pranamika Sharma (pranamikasharma.05@gmail.com/7827099093)
11.	Certificates	Merit certificates will be provided
12.	Registration Fee	**Individual participant**: Rs 500/- (w/o GST) **Team participants:** Rs 1000/- (w/o GST) (upto 4 participants) Rs 2000/-(w/o GST) (more than 4 participants)
13.	Prizes	1st Prize: Rs 20,000 2nd Prize: Rs 15,000