

DEPARTMENT OF ECE

SOP

Event Name: Tinkercad

Team size: 2

Event Shift: Overnight (8 Hrs) event

Guidelines during the event:

1. They need to understand how the Tinkercad software works clearly.
2. They should not extend the given time limit while delivering their topic.
3. They should deliver the topic in an organized manner.

ABOUT THE EVENT:

Open source software called Tinkercad is used for 3D design, electronics, and coding. It is available from any operating system and is cloud-based. With its assistance, we may create electronic circuits employing the components in a flexible way. Within the browser, the circuits may be instantly modified and tested.

Prior to attending the programme, one must be familiar with the fundamentals of the ECE field and Tinkercad operation. They must do this by setting up a new account in the software Tinkercad.

A person's performance and accuracy determine their score. Teams should be sorted based on their performance in the first and second rounds. Teams who have qualified are moved on to the next round.

Team Specifications:

1. Any team is welcome to take part in Tinkercad. A team may have two members. These individuals may come from the same class or others.
2. Every team needs to have a distinctive name. Any team whose name the organisers of Tinkercad feel unsuitable, derogatory, or contradicting may have their entries rejected. If a team's name has been altered, the organisers must be informed.

3. When registering on the website, each team must identify their team representative (leader). Through their team representative, Tinkercad organisers will communicate all crucial information to the registered teams.
4. At the time of registration, the team representative must provide accurate contact information (phone number, email address, etc.).
5. During the event, each team will be allocated a single system to work with. This system will serve as the sole device for executing all tasks, enabling fair competition and ensuring equal access to resources for all teams.

NOTE: The team must always use the Team ID issued at the time of registration and not your team name to identify themselves during any type of chat, registration, correspondence, emails, or submissions. Please refrain from identifying yourself in any way when communicating with us by using your team name.

Registration:

When the registration portal opens, a mail will be sent. The Tinkercad organisers will see to it that any updates are sent to registrants through email or SMS.

Evaluation and Result:

Round 1:

In this round, there are a total of 10 problem statements that are related to ECE domain and are at the basic level (EDC, LCD, MPMC, etc.). One hour has been allotted for this round. The number of Problem statements they have resolved determines their score.

Round 2:

Three issue statements relating to the implementation of Arduino code and the operation of the code in real-time projects have been provided in this round. It takes about two hours to complete this round. Their performance and the quantity of problems they have resolved determine their score.

Round 3:

In this round, we've provided a problem description based on an actual industrial project. This round takes roughly two to three hours. Their performance and project execution on Tinkercad are used to determine their score.

Requirements:

1. Since the success of the event relies entirely on **Tinkercad** software, we need access to both **DSP** and **ECAD** labs.
2. Lady faculty is required.

Registration fee: Rs.400

Team Size: 2

First Prize: Rs.3500/-

Second Prize: Rs2000/-