

## TOUR OF TINKERCAD

“Tour of Tinkercad (TOT)” was the second event conducted by ACROM-IEEE RAS in the academic year 2021-22 on 31st October 2021. The event introduced the attendees to Tinkercad, a platform used to develop Arduino projects virtually.

Thirty-eight students participated in this event. It began at 10:30 AM and concluded at 3:30 PM. Siddharth E, Tejaswi K, and Snehith, executives of the club, moderated the event.

Siddharth E commenced the event with an introduction to Tinkercad and Arduino. He gave a brief history of Arduino and explored its many features. They explained the user interface of Tinkercad. He demonstrated to the participants how to create an account in Tinkercad. They took some time to comprehend and explore the app.

From there on, Tejaswi K explained the various electronic components available in Tinkercad. She taught the features of the IDE and its functions diligently. For enhanced understanding, she designed a simple circuit of glowing a LED using various methods. Then, she explained the concept of sensors with the help of a carefully curated presentation.

The circuits rigged up in the session were: LED blinking, Arduino controlled Buzzer, Arduino controlled Photoresistor, Arduino controlled Potentiometer, Arduino controlled PIR Sensor, Arduino controlled Ultrasonic Sensor, Arduino controlled Smoke Sensor and Arduino controlled Temperature Sensor.

They explained the codes of the circuits executed during the session. The participants simulated the circuits on their own and cleared their doubts. Towards the end, the participants were encouraged to find solutions for some sample problems. The session was interactive and informative and received positive feedback from the participants.



