

## REPORT ON CIRCUITRIX

**Title of the event:** CIRCUITRIX

**Date:** 27/03/2024

**Venue:** Sreyas Institute of Engineering and Technology, Hyderabad.

**Number of participants:** 52 students from all the branches.

### **About the event:**

The Circuitrix at Sreyas Institute of Engineering and Technology was organized by the Department of Electronic and Communication Engineering to challenge students' understanding of electronics and circuit design. This event provided an engaging platform for students to apply theoretical knowledge in practical scenarios, promoting innovation and teamwork. The event consisted of several key components firstly, participants formed teams and completed a written test focused on fundamental electronics concepts, circuit analysis, and problem-solving skills. This round helped shortlist teams for the practical competition. The shortlisted teams proceeded to the practical round, where they were tasked with designing and building a functional circuit based on specific requirements. This included Designing a basic electronic circuit and Implementing various components (resistors, capacitors, transistors, etc.) Each team presented their circuit, explaining the design process, functionality, and challenges faced. Judges evaluated the projects based on criteria such as creativity, functionality, and presentation. A rapid-fire quiz tested participants' theoretical knowledge related to electronics, rewarding points to teams for correct answers. The participants with the highest score are awarded.

### **Conclusion:**

The Circuitrix at Sreyas Institute of Engineering and Technology successfully engaged students in the field of electronics, promoting practical skills and collaborative learning. The organizers plan to continue this initiative annually, expanding its scope to include more complex challenges and increased participation.

### Images of the students during the event:

