



Robotics Club Activity Report

Date:26-04-2025

Class: VI-IX

Organized by: Robotics Club

1. Circuit Making using Copper Tape and LED Bulb

Students created simple electric circuits using copper tape, coin cell batteries, and LED bulbs. This activity helped them understand the basics of circuit design, conductivity, and current flow in an interactive and creative way.

2. Brightness Control of LED using Potentiometer

Students experimented with potentiometers to control the brightness of LEDs. By adjusting the resistance through the potentiometer, they observed how the flow of current changes, which directly affects the intensity of light emitted by the LED. This introduced them to the concept of variable resistance.

3. Building a Robo Car using Mechatron Kit

Using the Mechatron kit, students designed and assembled robotic cars. They learned about the integration of mechanical structures, motors, and basic electronics to build a functional moving robot. This activity developed their skills in mechanical assembly, motor control, and teamwork.

4. Building a Smart Box using Logic Block Kit

Students utilized the Logic Block Kit to create smart boxes. They learned how logical conditions can control outputs, enhancing their understanding of digital electronics and problem-solving skills.

Conclusion

Through these hands-on activities, students strengthened their foundation in basic electronics, mechanics, and logical thinking. The Robotics Club continues to nurture creativity, critical thinking, and technical skills among students, preparing them for future challenges in the field of robotics and technology.

