DEPARTMENT OF ECE

“ELECTROZONE SPARKS INNOVATION:CDAC UNVEILED”

Electrozone, the esteemed Electronics and Communication Engineering Association, hosted a highly informative and engaging tech talk on April 4th, 2023. The event featured Mr. Rajesh R, a distinguished scientist and Joint Director at CDAC, who shared his vast expertise and shed light on emerging trends in the field of electronics. With a focus on future scopes, attendees were enthralled by the invaluable insights shared by Mr. Rajesh R and the exciting advancements showcased in CDAC's ongoing projects and research initiatives. The discussion delved into the advantages of the Internet of Things (IoT) and provided a captivating glimpse into the ever-evolving landscape of cutting-edge technologies.

“EXCLUSIVE ALUMNI TALK BY ALPHYN STANLEY: SENIOR APPLICATION ENGINEER AT SYNOPSYS”

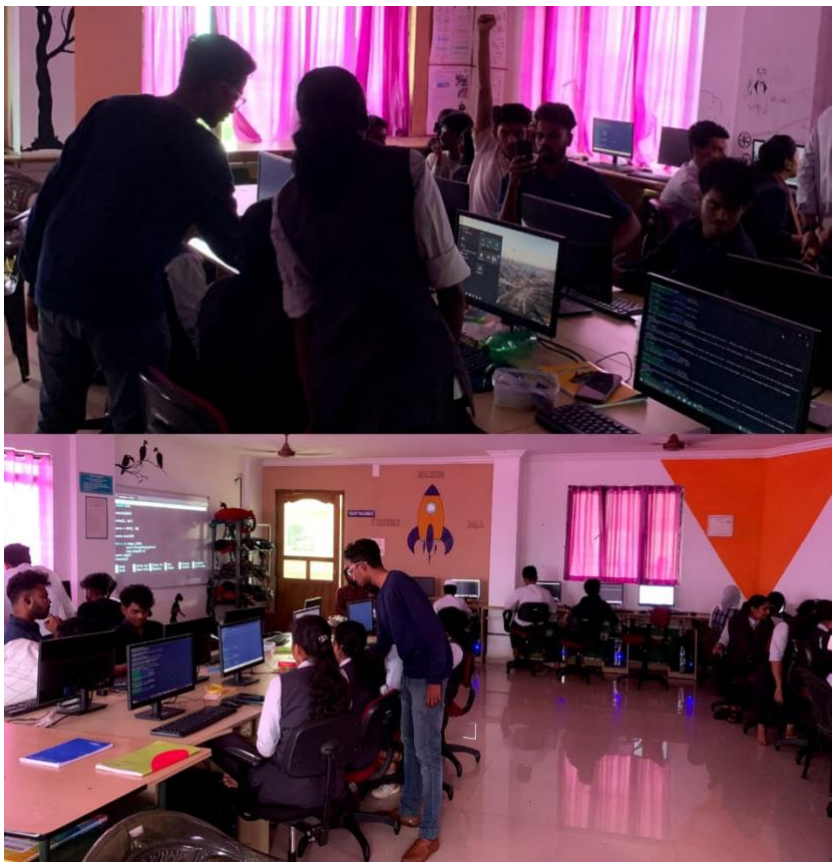
An insightful alumni talk was organized by the Alumni Cell of the Department of ECE. This exclusive event, featuring esteemed speaker Alphyn Stanley, took place on June 19th at the AB Seminar Hall. Alphyn Stanley, an exceptional alumnus of our department, had made significant contributions in the field of technology, spanning from silicon to software. As a Senior Application

Engineer at Synopsys Bangalore, he brought a wealth of knowledge and expertise to share with the attendees.

“MINDS UNLEASHED:ELECTOZONE ROBOTICS WORKSHOP FOR SKILLS & CERTIFICATES”

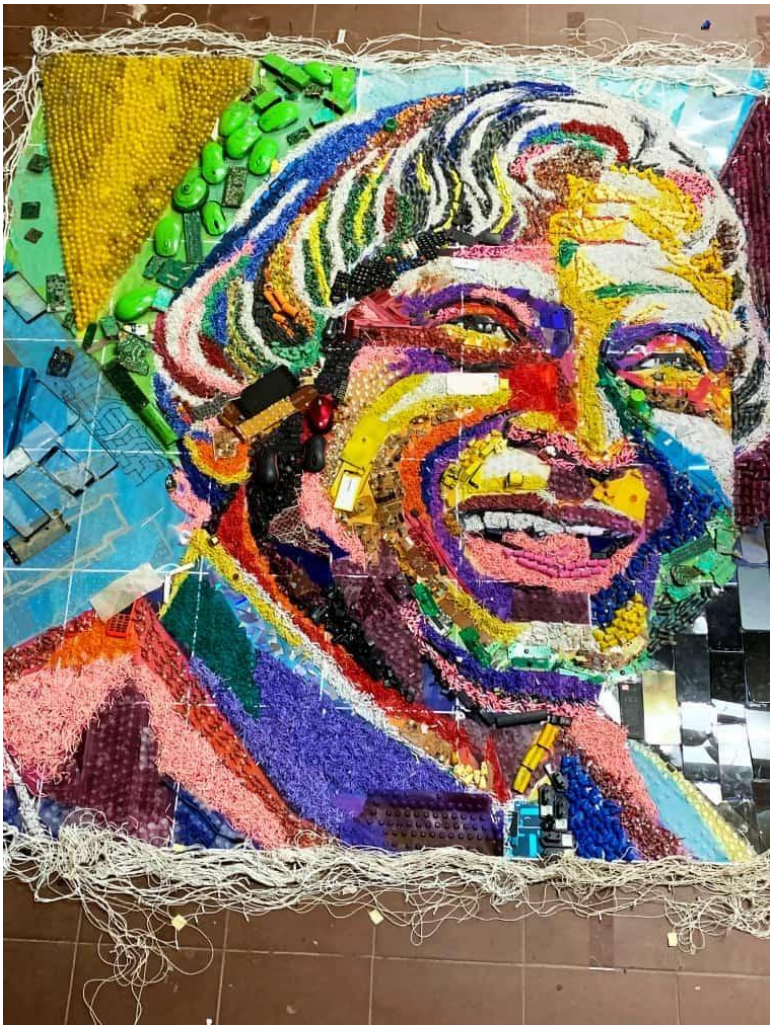
Electrozone, the esteemed Electronics and Communication Engineering Association, organized a comprehensive 3-day robotics workshop exclusively designed for students in class 12 and below. The workshop focused on imparting crucial knowledge in electronics hardware connections, hobby circuits, robot design, assembly, and Arduino Uno programming. Participants were immersed in a hands-on learning experience, engaging in the creation of four exciting robot projects, namely obstacle avoidance, human following, self-balancing, and line following robots. Under the guidance of Aleiyas K Eldhose and Aflah Amani, both accomplished first-year ECE students, the workshop garnered immense success, drawing the participation of approximately 10 students. The dedication and active involvement displayed by each participant were highly commendable. As a token of recognition for their achievements, all attendees were proudly presented with certificates upon completion of the workshop.This enriching workshop not only equipped the young students with practical robotics skills but also ignited a profound passion for the field, empowering them for future technological pursuits.

“EMPOWERING FUTURE INNOVATORS: KELTRON’S RASPBERRY PI AND PYTHON BASICS INTERNSHIP”



The Keltron internship, focused on Raspberry Pi and Python basics, recently concluded with great success. Held from May 22nd to May 26th, the program provided participants with a comprehensive understanding of Raspberry Pi technology and honed their Python programming skills. Through hands-on activities and expert mentorship, interns gained valuable insights into the potential applications of Raspberry Pi. The internship equipped participants with essential knowledge and skills, evident through the certificates they received upon completion. This program highlights the increasing demand for practical training in today's technology-driven world.

“BRILLIANCE UNLEASHED: OBSQURA 2023 ILLUMINATES ECE DEPARTMENT’S INNOVATION SHOWCASE”



During the Obsqura Tech Fest 2k23, the Department of Electronics and Communication Engineering showcased several successful projects that highlighted the hard work of the students and the support provided by the department staff. These projects brought a sense of pride to the department and demonstrated the students' dedication and collaboration with the staff members.

1. **E-Waste Portrait of Dr APJ Abdul Kalam**: A remarkable creation by the students, this portrait was meticulously crafted using e-waste materials. The project required several days of dedicated work and served as the centrepiece of the e-waste gallery.
2. **E-Waste Gallery:** A room filled with various artistic creations and models made from electronic waste, the e-waste gallery was a testament to the students' creativity and effort. The students invested significant time in curating the gallery and presenting a wide range of unique artworks.
3. **Laser Liquid Sky**: This project provided an awe-inspiring experience, captivating visitors with its combination of laser lights and fog effects. The project took several days to complete and received highly satisfactory feedback from the audience.

4. **Brahmapuram Miniature Model:** Inspired by the tragic Brahmapuram incident in Kochi, Ernakulam, the students constructed a miniature model depicting the incident, showcasing the piled-up waste materials. The project not only portrayed the event but also proposed innovative solutions to prevent such tragedies, including waste segregation machines and biogas plants.
5. **Line Following Robot**: The students' creative prowess was evident in this project, where they designed a robot capable of following a black line. Their hard work and innovation received excellent feedback from observers and participants alike.
6. **LED Cube:** Despite its small size, the LED cube brought immense beauty and demonstrated the students' creativity. Composed of LED bulbs, the cube served as a visually captivating project.
7. **Project Expo**: In collaboration with BSNL, the Project Expo featured a range of equipment and tools. BSNL representatives guided visitors through the expo, offering detailed explanations about the showcased equipment and fostering knowledge sharing.

Throughout the Obsqura Tech Fest 2k23, the Department of Electronics and Communication Engineering successfully showcased these projects, symbolising the students' dedication and the department's commitment to fostering innovation and excellence in the field.