

Introduction

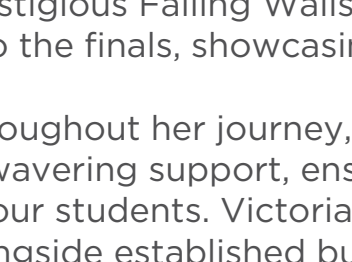
We are excited to bring you the Q2 2024 edition of "The Innospire - Innovate, Inspire, Impact: The Innospire Way," the ACity TEC Newsletter. As we move through the year, we have some fantastic updates and highlights to share from the Academic City - Technology and Entrepreneurship Centre (ACity TEC).

This quarter has been packed with activity, from transformative workshops to exciting collaborations and student-driven projects. One of the standout initiatives is Sustain City 2.0, a plastic waste project that partners with students from the University of Dayton and Millersville University. Over 90 days, this project aims to build three recycling machines to tackle plastic waste, promote recycling, and enhance environmental sustainability. Through hands-on work and innovative engineering, the project seeks to create efficient recycling machines that help reduce plastic pollution and support a cleaner, healthier environment.

Join us as we explore the innovative initiatives and impactful changes happening within our community. From developing future-ready leaders to advancing technology, we're committed to nurturing talent and driving positive change - all guided by "The Innospire Way."

Partnership Spotlight: Empowering Innovation Together

We are proud to acknowledge the invaluable support and strategic guidance provided by our esteemed partners. With their collaborative spirit and shared vision, we have achieved significant milestones and continue to drive innovation forward. Our partners include:



US State Dept, through the Coalition of Climate Entrepreneurs (CCE) Hub: Their commitment to fostering climate entrepreneurship aligns seamlessly with our mission to create impactful solutions for a sustainable future.



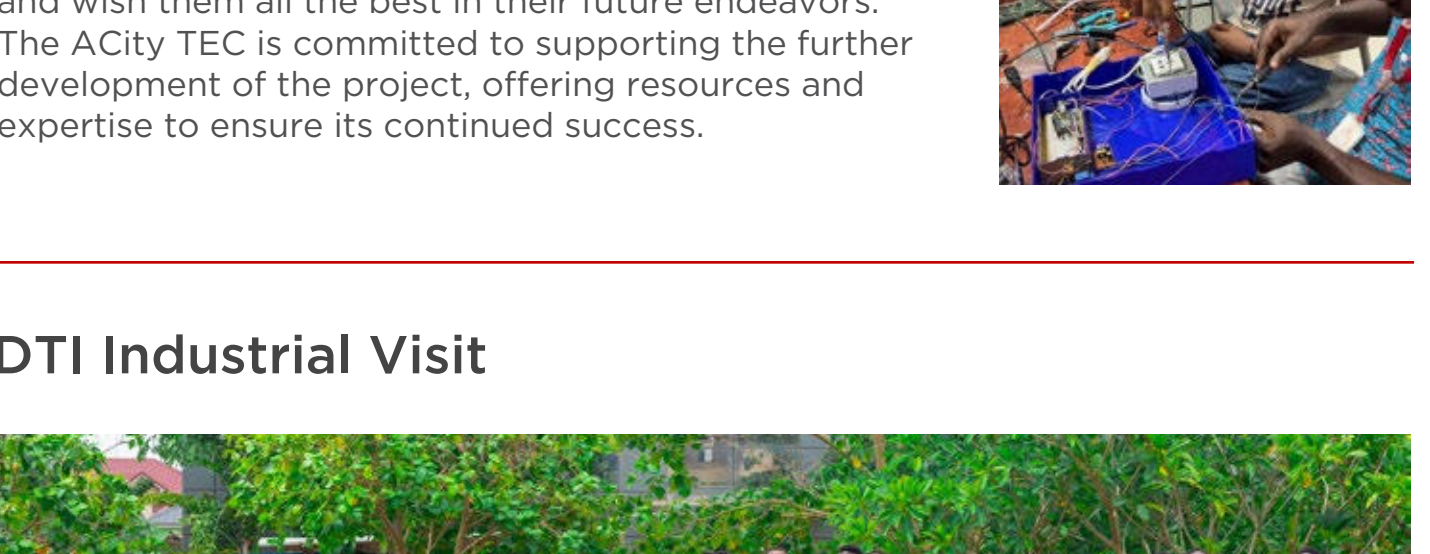
arm: Through our partnership, we have established cutting-edge labs and initiatives that empower students to explore emerging technologies and drive groundbreaking innovations.

Makelab: Their dedication to promoting creativity and hands-on learning has enriched our educational ecosystem, enabling students to translate ideas into tangible outcomes.

Together, we are shaping a brighter tomorrow, where innovation thrives and transformative ideas come to life. Join us in celebrating these collaborative efforts as we embark on a journey of innovation, inspiration, and impact.

Student Spotlight

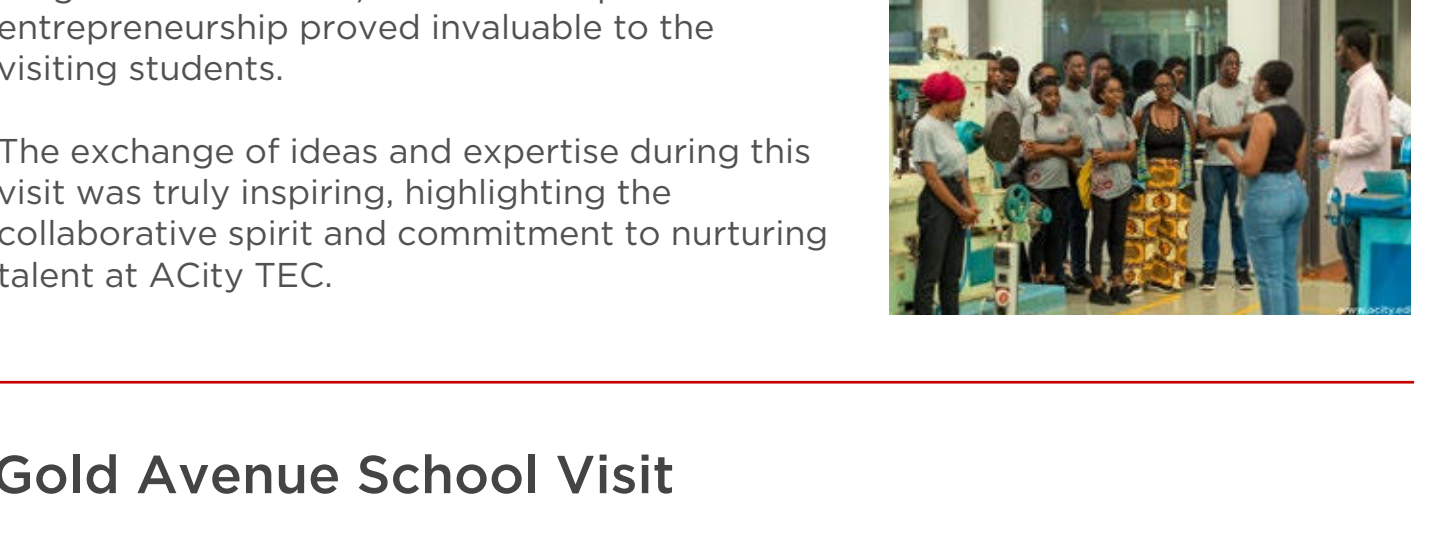
Victoria Mends Shines at Falling Walls Program



After her remarkable victory at TECH EXPO 2024, our talented student Victoria Mends took her air purifier innovation to the next level by applying for the prestigious Falling Walls program. We are thrilled to announce that Victoria made it to the finals, showcasing her innovation among established businesses.

Throughout her journey, the Technology and Entrepreneurship Centre provided unwavering support, ensuring that opportunities like Falling Walls are accessible to all our students. Victoria expressed her excitement, stating, "Pitching my idea alongside established businesses was an awesome experience. It will propel me to greater heights as I strive to make a significant impact on the continent." We couldn't be prouder of Victoria and her achievements, Congratulations

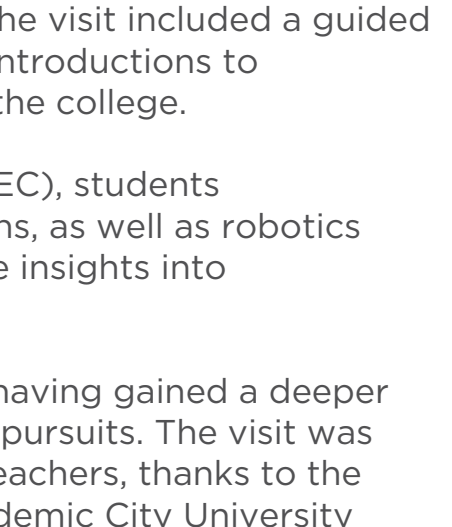
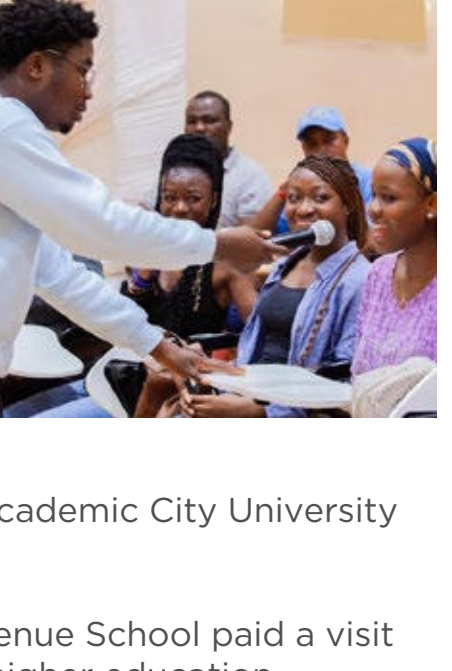
Smart NELDI Project Team Makes Waves at Industry Driving AI and 4IR Conference



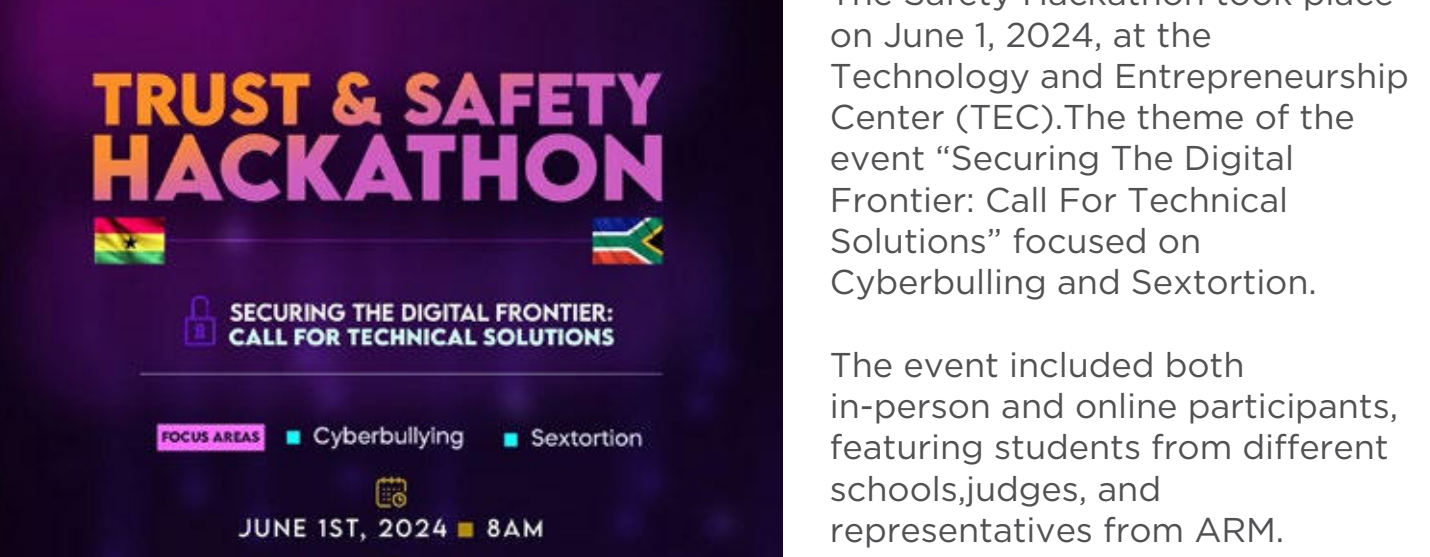
Emmanuela Uwudia, Delasi Richards, Abdul Latif Dabone, Nii Sodja Nablah, and Joe Apiriala-Atedogh, students of Academic City University College, showcased their innovative Smart NELDI project at the recent Industry Driving AI and 4IR Conference hosted by iiAfrica, garnering widespread recognition and admiration.

The Smart NELDI project, initially lauded at the 2023 Ghana Engineering Excellence Awards, underwent a remarkable transformation leading up to the conference. Leveraging advanced technologies such as 3D printing and laser cutting, and with invaluable assistance from the Academic City - Technology and Entrepreneurship Centre (ACity TEC) and the university's electronics lab, the team meticulously refined the project's design. This collaboration resulted in a substantial reduction in material usage, making it significantly more portable without compromising efficiency.

A notable addition to the project was the integration of voice-controlled artificial intelligence, enhancing its accessibility and usability. This innovative feature underscores the team's commitment to ensuring inclusivity and user-friendliness in their design. We extend our congratulations to the project team and wish them all the best in their future endeavors. The ACity TEC is committed to supporting the further development of the project, offering resources and expertise to ensure its continued success.



DTI Industrial Visit

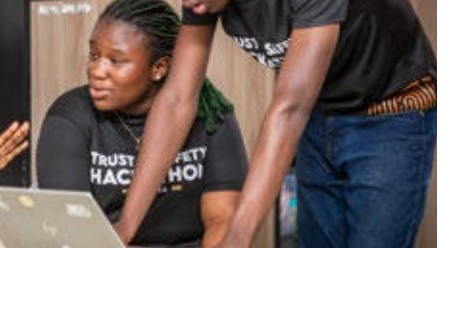
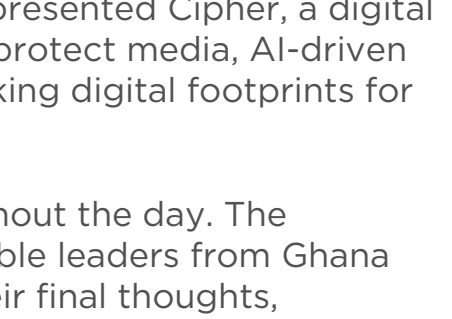
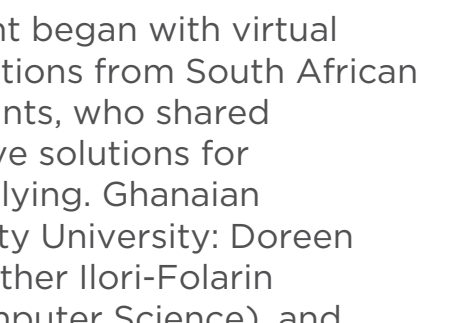


The Academic City - Technology and Entrepreneurship Center (ACity TEC) recently had the honor of hosting students from the Design & Technology Institute (DTI), an institution at the forefront of reshaping technical and vocational education in Ghana.

During their educational tour, we provided an exclusive behind-the-scenes glimpse into our design and manufacturing processes. Students gained valuable insights into professional prototyping techniques and the transformative impact of Computer-Aided Design/Computer-Aided Manufacturing (CAD/CAM) on design innovation.

Moreover, the students had the privilege of touring our state-of-the-art engineering workshop. Here, they had the opportunity to interact with Academic City alumnus Mr. Barnabas Nomo, co-founder of Goliath Robotics. Mr. Nomo shared his inspiring entrepreneurial journey, including his experience founding Goliath Robotics during his time as a student. His insights into the CAD/CAM landscape and entrepreneurship proved invaluable to the visiting students.

The exchange of ideas and expertise during this visit was truly inspiring, highlighting the collaborative spirit and commitment to nurturing talent at ACity TEC.



Gold Avenue School Visit

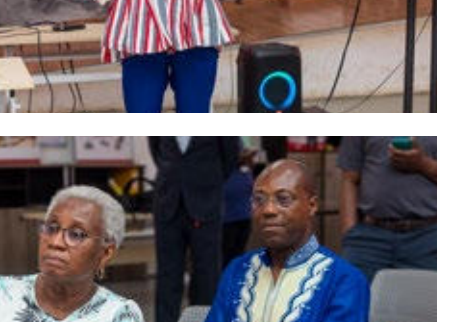


Senior High Students from Gold Avenue School visited Academic City University College for an enriching educational experience

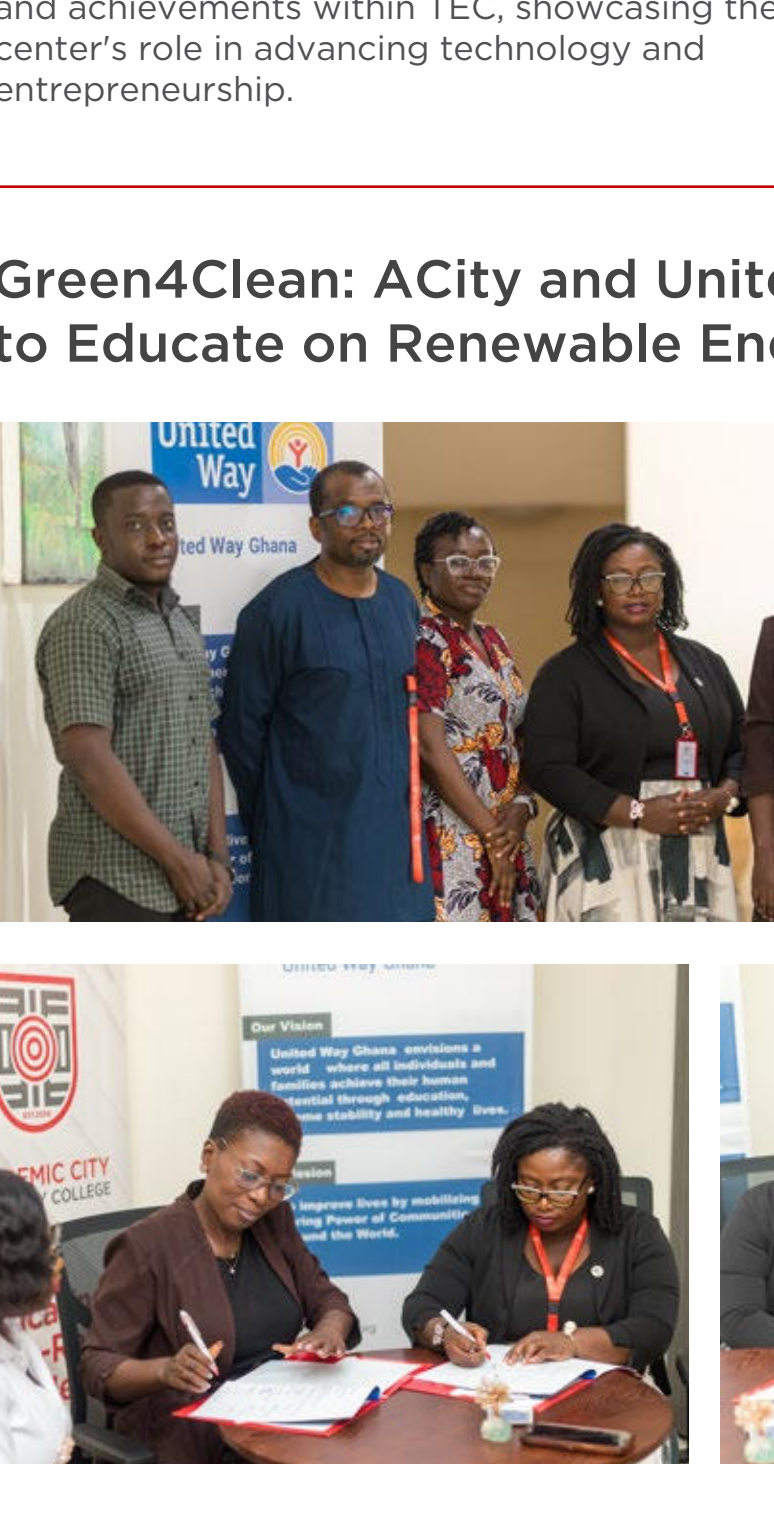
On Friday, 26th April, Senior High Students from Gold Avenue School paid a visit to Academic City University College to gain exposure to higher education environments and explore various academic disciplines. The visit included a guided tour of the campus, interactive sessions with faculty and introductions to extracurricular activities and support services offered by the college.

At the Technology and Entrepreneurship Center (ACity TEC), students participated in hands-on 3D modeling and printing sessions, as well as robotics workshops. These practical experiences provided valuable insights into cutting-edge technology and engineering practices.

Students left with newfound enthusiasm and motivation, having gained a deeper understanding of college life, career paths, and academic pursuits. The visit was deemed a success by both students and accompanying teachers, thanks to the warm hospitality and meticulous organization by the Academic City University College staff.



Trust & Safety Hackathon



The Safety Hackathon took place on June 1, 2024, at the Technology and Entrepreneurship Center (TEC). The theme of the event "Securing The Digital Frontier: Call For Technical Solutions" focused on Cyberbullying and Sextortion.

The event included both in-person and online participants, featuring students from different schools, judges, and representatives from ARM.

The event began with virtual presentations from South African participants, who shared innovative solutions for cyberbullying. Ghanaian

participants followed, including a team from Academic City University: Doreen Edwina Owuo (Electronics and Electrical Engineering), Esther Ilori-Folarin (Computer Science), Uche-ukah Chimzyerem Janet (Computer Science), and David Ukeme-abasi Ekechi (Robotics Engineering). They presented Cipher, a digital safety app extension that uses end-to-end encryption to protect media, AI-driven image protection to blur unauthorized captures, and tracking digital footprints for transparent access monitoring.

Teams worked intensively on their safety projects throughout the day. The hackathon concluded with a Zoom session featuring notable leaders from Ghana Safety, who provided expert feedback. Judges shared their final thoughts, highlighting strengths and suggesting improvements for the participants' projects. The Safety Hackathon was a successful and inspiring event, promoting innovation and collaboration among young minds dedicated to enhancing community safety.

