

Introduction

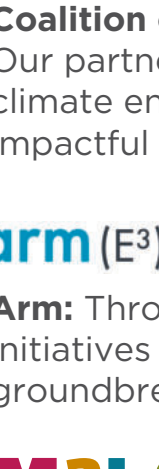
Welcome to the Q1 2025 edition of The Innospire - Innovate, Inspire, Impact: The Innospire Way, the ACity TEC Newsletter! We're kicking off the year with exciting updates from the Academic City Technology and Entrepreneurship Center (ACity TEC).

This quarter has been filled with energy and new opportunities, from collaborative projects to hands-on student activities. We're eager to share the latest highlights and the innovative strides we're making in shaping the future of technology and entrepreneurship.

Stay tuned as we continue to inspire, innovate, and make an impact, all while following The Innospire Way. Let's dive into the exciting happenings at ACity TEC

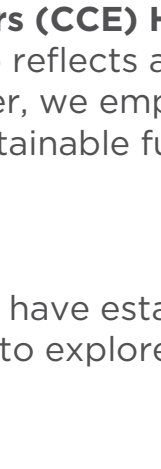
Impact Summary

THIS QUARTER



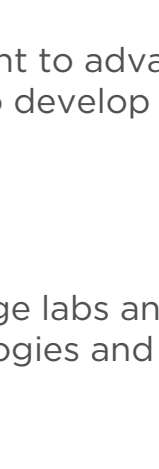
265

TOTAL YOUTH ENGAGED/TRAINED



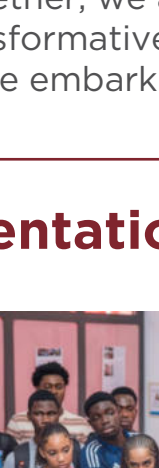
125 140

GENDER DISTRIBUTION



16 years

AVERAGE PARTICIPANT AGE



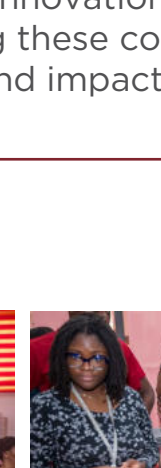
04

WORKSHOPS & TRAINING PROGRAMS HELD



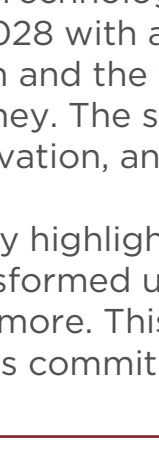
MAJOR FOCUS AREAS

- Robotics
- Design Thinking
- Digital Fabrication
- Sustainability and Climate Innovation



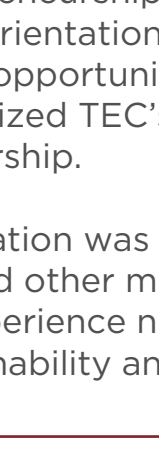
03

PARTNER INSTITUTIONS / ORGANIZATIONS ENGAGED



10

MENTORS / FACILITATORS INVOLVED

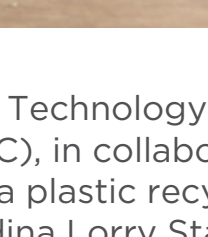


52.8%

FEMALE PARTICIPATION RATE

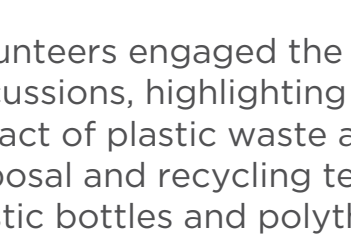
Partnership Spotlight: Empowering Innovation Together

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:



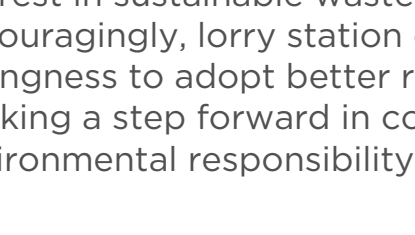
Coalition of Climate Entrepreneurs (CCE) Hub:

Our partnership with the CCE Hub reflects a shared commitment to advancing climate entrepreneurship. Together, we empower innovators to develop impactful solutions for a more sustainable future.



arm(E³)NGAGE

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

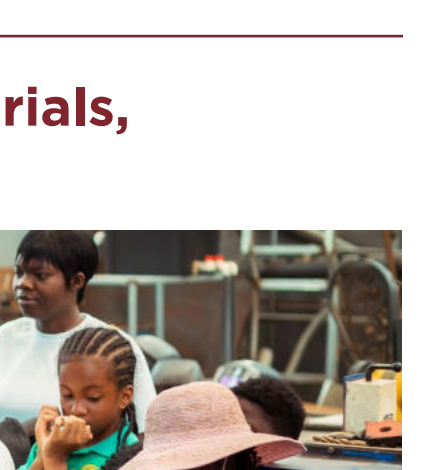


MakeLab

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.

Orientation - Class of 2028



The Technology and Entrepreneurship Center (TEC) welcomed the incoming Class of 2028 with an interactive orientation session, introducing students to the TEC team and the wide range of opportunities available to support their academic journey. The session emphasized TEC's role in fostering hands-on learning, innovation, and entrepreneurship.

A key highlight of the orientation was a creative upcycling activity, where students transformed used bottles and other materials into art pieces, lip balm containers, and more. This hands-on experience not only sparked creativity but also reinforced TEC's commitment to sustainability and innovative thinking from day one.

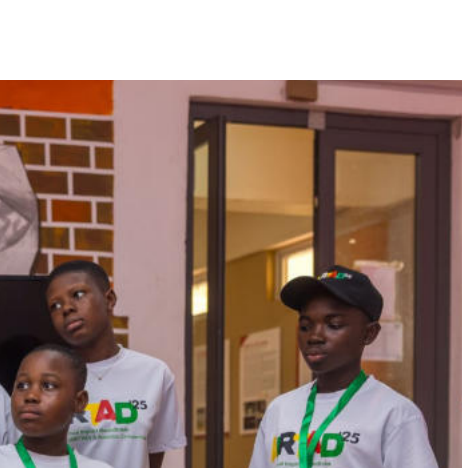
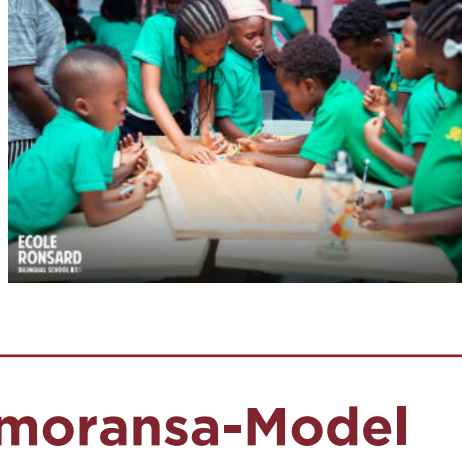
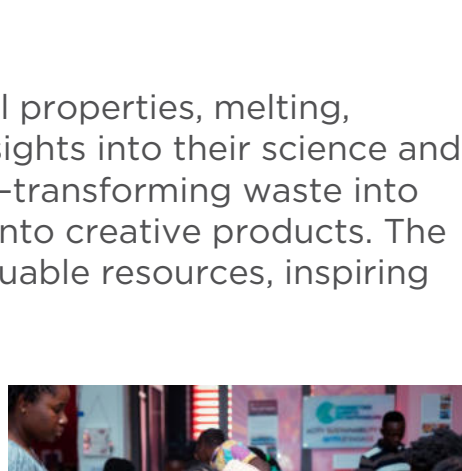
School Desk Project (Madina Lorry Station Advocacy)



The Technology and Entrepreneurship Center (TEC), in collaboration with Mackintorch Africa, led a plastic recycling campaign at Madina Lorry Station on February 22, 2025. This initiative, spearheaded by students from Academic City University, aimed to educate traders, commuters, and transport operators on responsible plastic waste management and recycling practices.

Volunteers engaged the public in interactive discussions, highlighting the environmental impact of plastic waste and demonstrating proper disposal and recycling techniques. Additionally, plastic bottles and polythene bags were collected and sorted, reinforcing the campaign's message through action.

The advocacy effort reached a significant number of individuals, fostering greater awareness and interest in sustainable waste management. Encouragingly, lorry station officials expressed a willingness to adopt better recycling practices, marking a step forward in community-driven environmental responsibility.

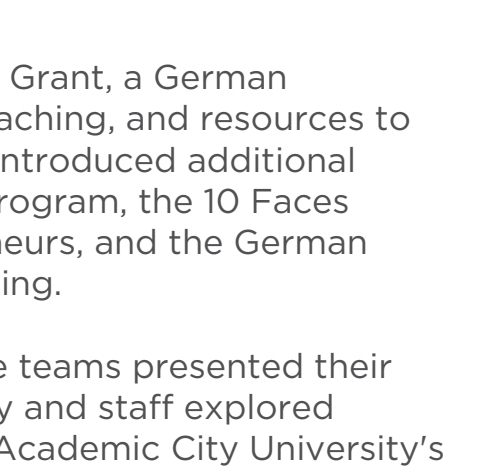
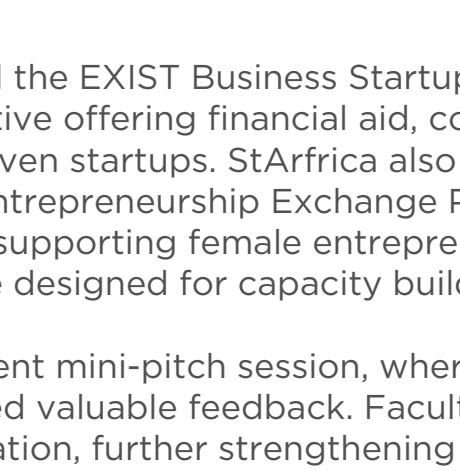
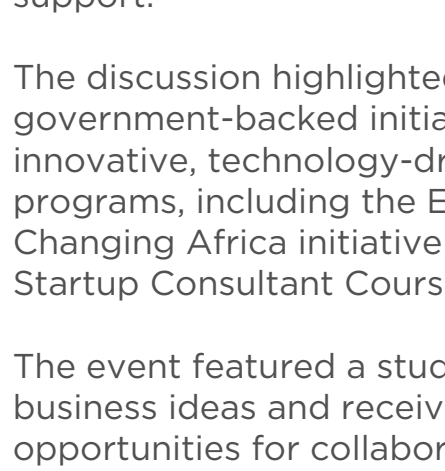


Ecole Ronsard Students Explore Materials, Recycling, and Upcycling at TEC



Grade 3 students from Ecole Ronsard, along with their teachers, visited the Technology and Entrepreneurship Center (TEC) for an interactive session on materials, the environment, and recycling.

Through hands-on activities, students explored material properties, science, solidifying, and chemical reactions, gaining practical insights into their science and geography lessons. They also learned about upcycling—transforming waste into useful new items—by repurposing discarded materials into creative products. The visit showcased how innovation can turn waste into valuable resources, inspiring young minds to think sustainably.

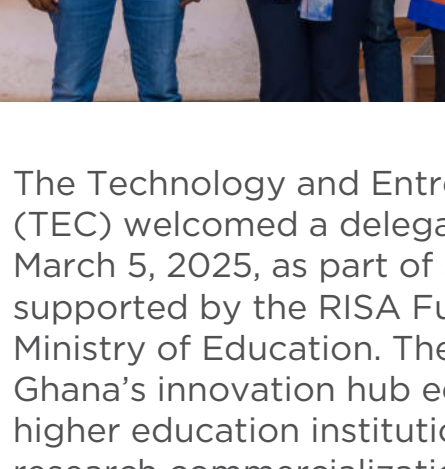


Robotics Session at AIRTAD for Yamoransa-Model Labs beneficiaries

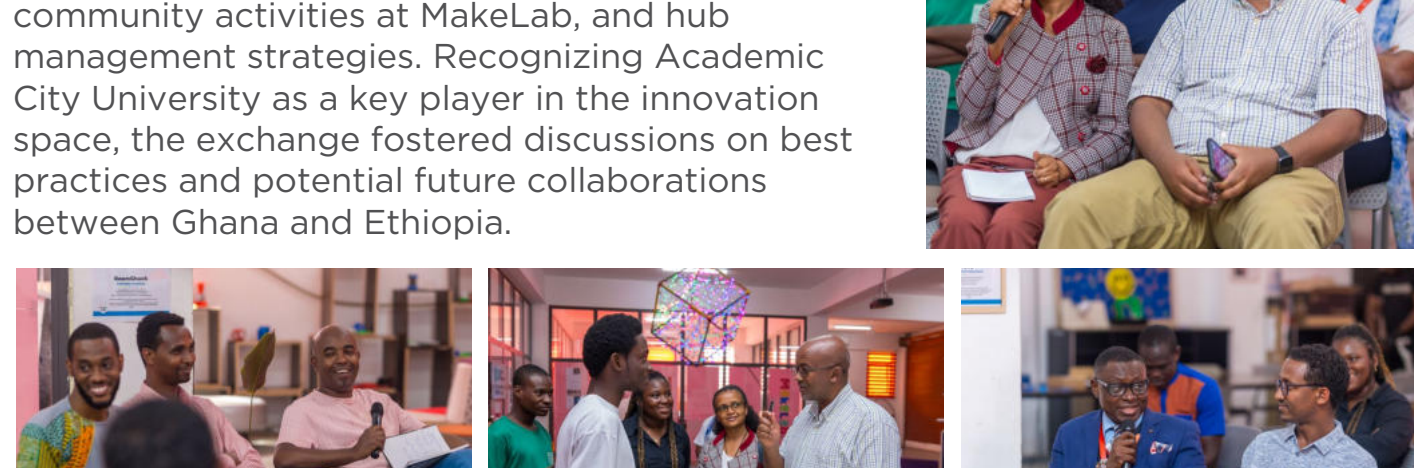


The Technology and Entrepreneurship Center (TEC) hosted an engaging robotics and tech session for Yamoransa-Model Labs beneficiaries during the Annual Impact Roundtable Discussion & Robotics Competition (AIRTAD).

Participants received hands-on training in Arduino programming, learning how to set up and code basic functions. They also built simple motorized robots, gaining practical skills to advance STEAM education in their communities. By equipping students with these tools, TEC continues to foster innovation and drive lasting impact.



TEC Engages StAfrica on Startup Funding and Innovation



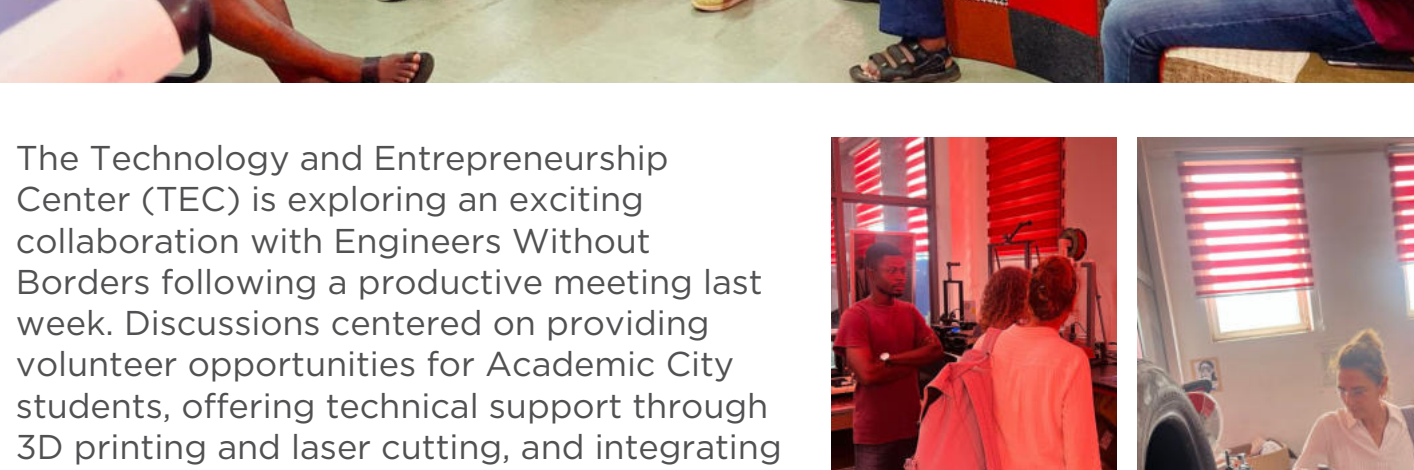
On February 17, 2025, the Technology and Entrepreneurship Center (TEC), alongside key university members and faculty from the Business and Entrepreneurship Department, hosted a delegation from StAfrica - Startup Germany-Africa for an engaging session on startup funding and entrepreneurial support.

The discussion highlighted the EXIST Business Startup Grant, a German government-backed initiative offering financial aid, coaching, and resources to innovative, technology-driven startups. StAfrica also introduced additional programs, including the Entrepreneurship Exchange Program, the 10 Faces Changing Africa Initiative supporting female entrepreneurs, and the German Startup Consultant Course designed for capacity building.

The event featured a student mini-pitch session, where teams presented their business ideas and received valuable feedback. Faculty and staff explored opportunities for collaboration, further strengthening Academic City University's role in fostering innovation and international partnerships.



TEC Hosts Ethiopian Delegation for Innovation Exchange

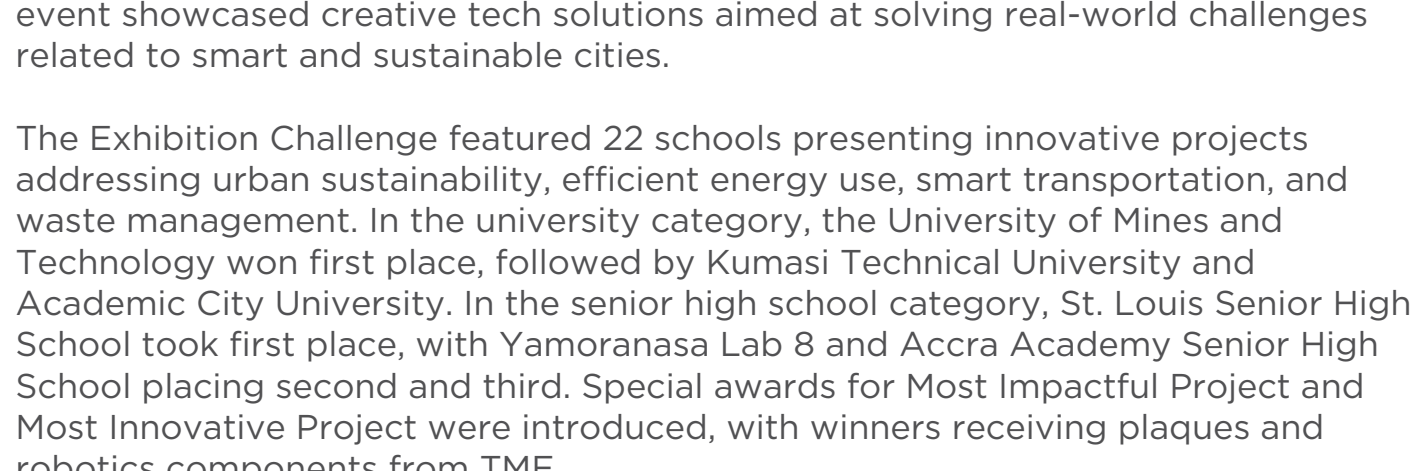


The Technology and Entrepreneurship Center (TEC) welcomed a delegation from Ethiopia on March 5, 2025, as part of a benchmarking visit supported by the RSA Fund and led by Ethiopia's Ministry of Education. The visit aimed to explore Ghana's innovation hub ecosystem, focusing on higher education institutions and their role in research commercialization and technology transfer.

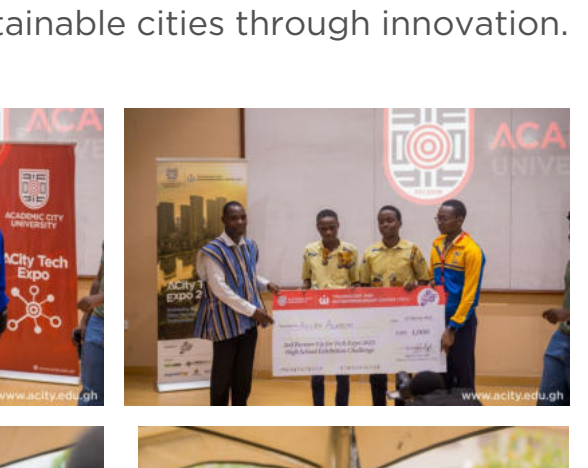
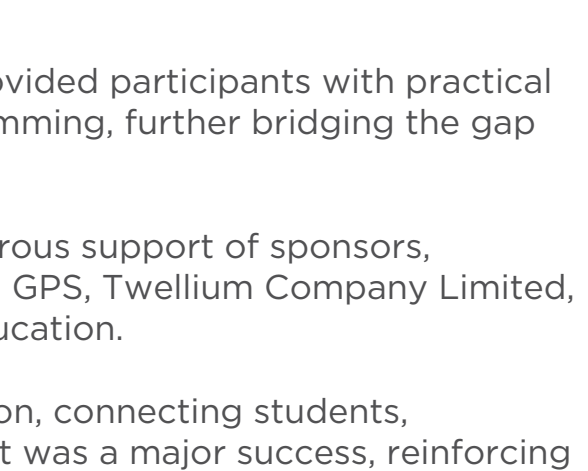
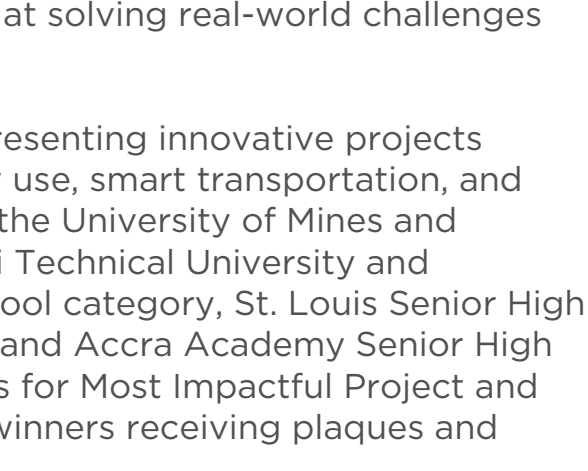
During the session, the delegation engaged with the TEC team and other key members of the university community on startup initiatives, maker community activities at MakeLab, and hub management strategies. Recognizing Academic City University as a key player in the innovation space, the exchange fostered discussions on best practices and potential future collaborations between Ghana and Ethiopia.



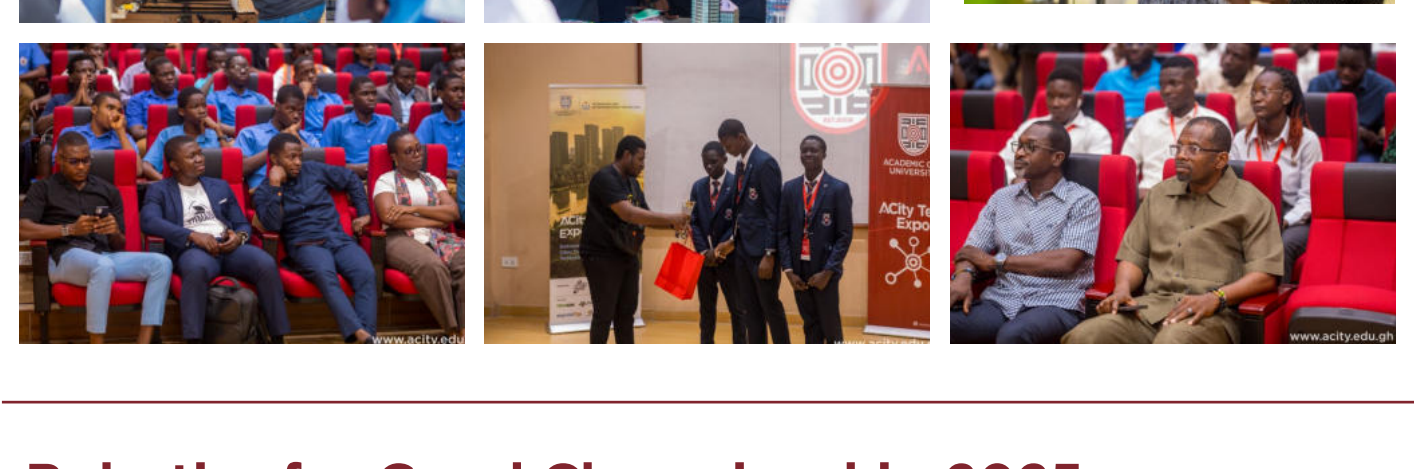
ACity TEC and Engineers Without Borders (EWB) Israel Team Explore Collaboration



The Technology and Entrepreneurship Center (TEC) is exploring an exciting collaboration with Engineers Without Borders following a productive meeting last week. Discussions centered on providing volunteer opportunities for Academic City students, offering technical support through 3D printing and laser cutting, and integrating recycled materials from the sustaining people with disabilities in Winneba. The conversation also opened doors for a peer exchange program with Israeli universities and the development of an engineering project challenge. To solidify the partnership, the Israeli team will draft an MOU, marking the beginning of a promising collaboration that fosters innovation and global connections.



Tech Expo 2025: Embracing Smart and Sustainable Cities Through Innovative Technologies



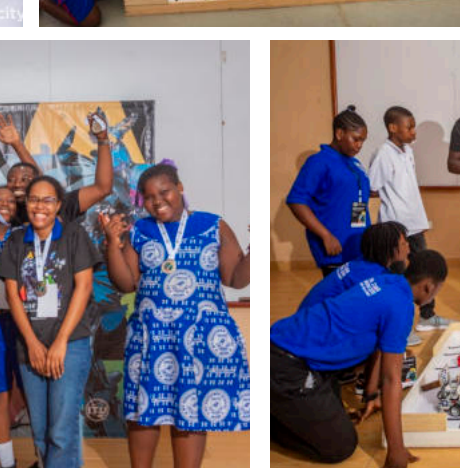
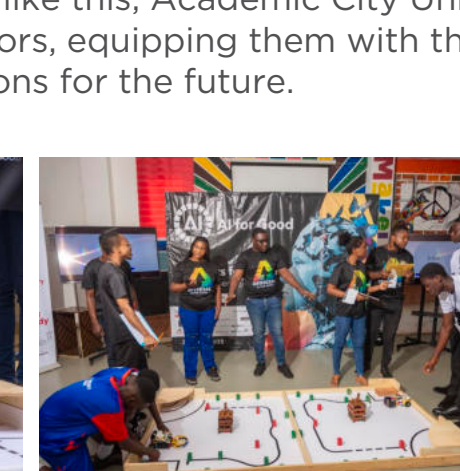
Tech Expo 2025, themed "Embracing Smart and Sustainable Cities Through Innovative Technologies," brought together over 400 participants from across Ghana for a day of innovation, learning, and collaboration. Organized by the ACity Robotics Club with support from Academic City University and sponsors, the event showcased creative tech solutions aimed at solving real-world challenges related to smart and sustainable cities.

The Exhibition Challenge featured 22 schools presenting innovative projects addressing urban sustainability, efficient energy use, smart transportation, and waste management. In the university category, the University of Mines and Technology won first place, followed by Kumasi Technical University and Academic City University. In the senior high school category, St. Louis Senior High School took first place, with Yamoransa Lab 8 and Accra Academy Senior High School placing second and third. Special awards for Most Impactful Project and Most Innovative Project were introduced, with winners receiving plaques and robotics components from TME.

A hands-on STEAM session led by Firefly IO provided participants with practical experience in robotics, automation, and programming, further bridging the gap between theory and real-world application.

The event was made possible through the generous support of sponsors, including Access Bank, Express Pay, Nsoromma GPS, Twellium Company Limited, Coca-Cola, Nuna Foods, Firefly IO, and TME Education.

Tech Expo 2025 ended with a networking session, connecting students, educators, and industry professionals. The event was a major success, reinforcing Ghana's commitment to building smart and sustainable cities through innovation.



Robotics for Good Championship 2025



In March 2025, Academic City University, through its Technology and Entrepreneurship Center, co-hosted the Robotics for Good Youth Challenge - Ghana Edition with The MakersPlace. The competition brought together students from across the country to design robotic solutions for disaster response, tackling challenges such as fire emergencies, earthquake survivor detection, and emergency aid delivery.

These projects moved beyond theoretical learning, offering practical, real-world solutions. The event reinforced the role of robotics in problem-solving, creativity, and hands-on education, preparing students to address critical global issues.

Two winning teams will represent Ghana at the UN's AI for Good Global Summit in Geneva, where they will present their innovations to global leaders and technology experts.

By supporting initiatives like this, Academic City University continues to empower young innovators, equipping them with the skills and opportunities to develop impactful solutions for the future.



Sponsorship, Support and Impact - Calling all Partners!

We cannot overstate the importance of partnerships and collaborations in achieving our shared vision of making a lasting impact on African society through sustainable technology development. The TEC owes its existence to the unwavering support of the University and its key partners.

Now, we invite you and your organization to join us in 'carrying the impact forward'. The ACity team is eager to work with you to establish a customized workshop or initiative, using the TEC infrastructure and University resources to make strides towards our shared goals.

Let us not forget that by 2035, Africa will boast the largest workforce on the planet, with nearly half of the world's population living on the continent by the end of the century. Shockingly, less than 10% of young people pursue tertiary education, leaving African workers without the necessary skills and entrepreneurial spirit to thrive in the 21st century and beyond. Time is of the essence, and we must act now.

Don't miss out on this opportunity to make a real difference. Contact us at tec@acity.edu.gh and let's explore how we can work together to create a lasting impact and drive sustainable development in the region.

Services Offered by the Technology and Entrepreneurship Center

- 3D Printing
- Laser Cutting
- 3D & Laser Cutting Design
- Rental of Maker Space
- Maker Space Tours
- Project Proof-Of-Concept Development
- Rapid Prototyping
- Industry Research and Development

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