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:

Student Spotlight Victoria Mends Shines at Falling Walls Program

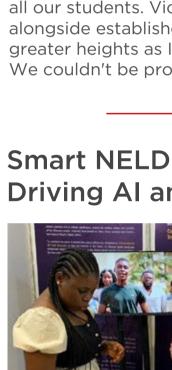
ALLING

Falling Walls Lab Ghana 2024

IS COMING TO

GHANA Victoria Mends **Academic City University College** Finalist FALLING WALLS L

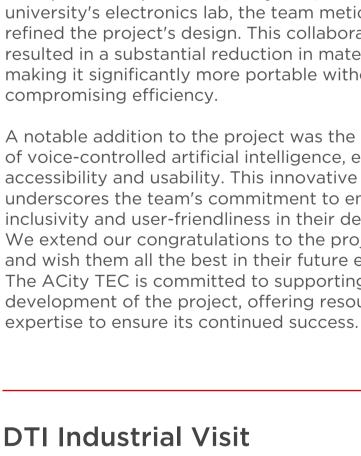
After her remarkable victory at TECH EXPO 2024, our talented student Victoria Mends took her air purifier innovation to the next level by applying for the prestigious Falling Walls program. We are thrilled to announce that Victoria made it to the finals, showcasing her innovation among established businesses. Throughout her journey, the Technology and Entrepreneurship Centre provided unwavering support, ensuring that opportunities like Falling Walls are accessible to

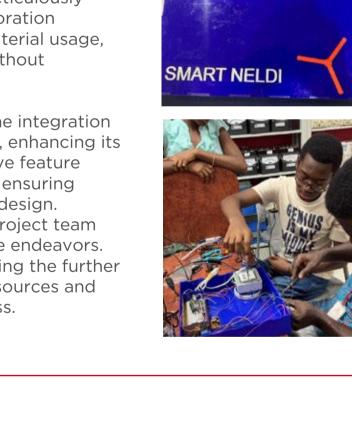






The Smart NELDI project, initially lauded at the 2023 Ghana Engineering Excellence Awards, underwent a remarkable transformation leading up to the conference. Leveraging advanced technologies such as 3D printing and laser cutting, and with invaluable assistance from the Academic City - Technology and Entrepreneurship Centre (ACity TEC) and the university's electronics lab, the team meticulously





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.

visit was truly inspiring, highlighting the

Gold Avenue School Visit

talent at ACity TEC.

and vocational education in Ghana.

During their educational tour, we provided an exclusive behind-the-scenes glimpse into our



College for an enriching educational experience

Senior High Students from Gold Avenue School visited Academic City University

On Friday, 26th April, Senior High Students from Gold Avenue School paid a visit

participated in hands-on 3D modeling and printing sessions, as well as robotics

environments and explore various academic disciplines. The visit included a guided

to Academic City University College to gain exposure to higher education

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

workshops. These practical experiences provided valuable insights into



SECURING THE DIGITAL FRONTIER: LL FOR TECHNICAL SOLUTIONS FOGUS AREAS Cyberbullying Sextortion JUNE 1ST, 2024 = 8AM ACADEMIC CITY UNIVERSITY COLLEGE

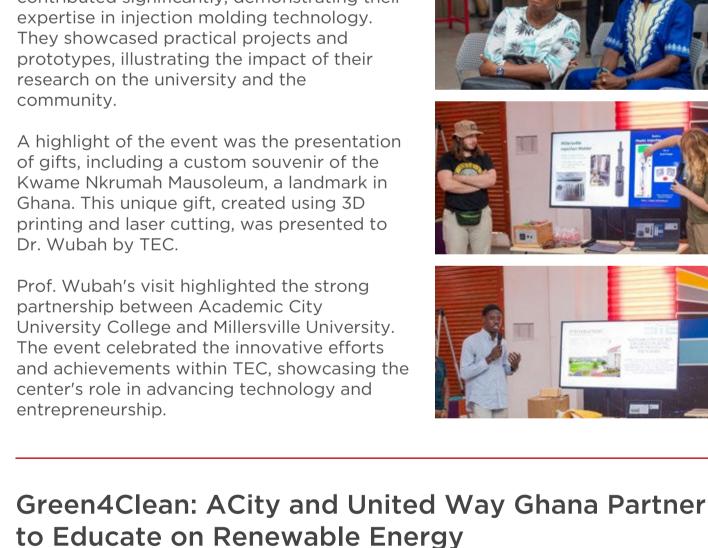
HACKATHON (



participants followed, including a team from Academic City University: Doreen

Edwina Owoo (Electronics and Electrical Engineering), Esther Ilori-Folarin (Computer Science), Uche-ukah Chimzyterem Janet (Computer Science), and

TEC Hosts Prof. Daniel Wubah, President of Millersville University



d Way Ghana



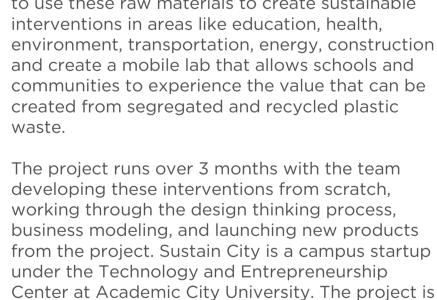
finalists at the Technology and Entrepreneurship

panel had the unenviable task of selecting which

Center at Academic City University, where a

of the 10 shortlisted startups should make it through to the deeper-dive due diligence stage to win EUR 100,000. 7 startups made it safely out of the 10, and the GIZ and Innohub joint teams traveled between Accra and Kumasi for





climate tech leaders program in 2023 for 50 young African leaders selected from 20 countries and has contributed to the curriculum development and implementation of the training.

Africa OSH Summit 18th and 19th August 2024 **Partners!**

Commissioning of Sustain City 2.0: A 360 degrees plastic waste

We cannot overstate the importance of partnerships and collaborations in

Project Proof-Of-Concept

Development

Development

Rapid Prototyping

Industry Research and

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. make strides towards our shared goals.

Services Offered by the Technology and

Entrepreneurship Center

■ Rental of Maker Space

■ Maker Space Tours

■ 3D & Laser Cutting Design

Trash to Cash Workshop

August 2024

August 2024

act now.

3D Printing

Laser Cutting

recycling project

Book tour today, reach out for

https://tec.acity.edu.gh/

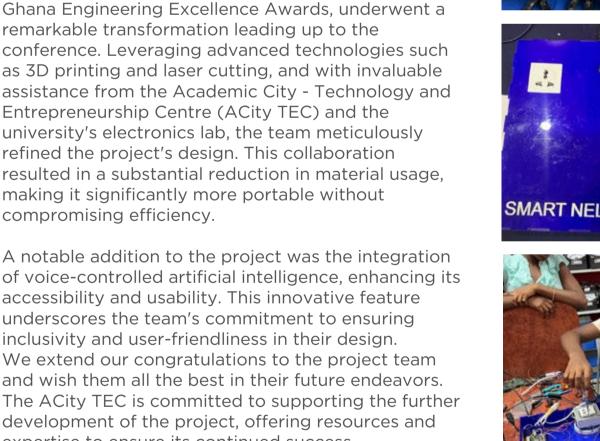
+233 24 354 8478

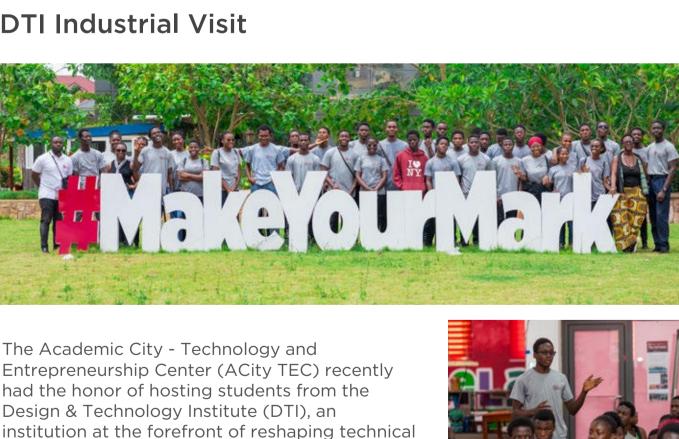
tec@acity.edu.gh

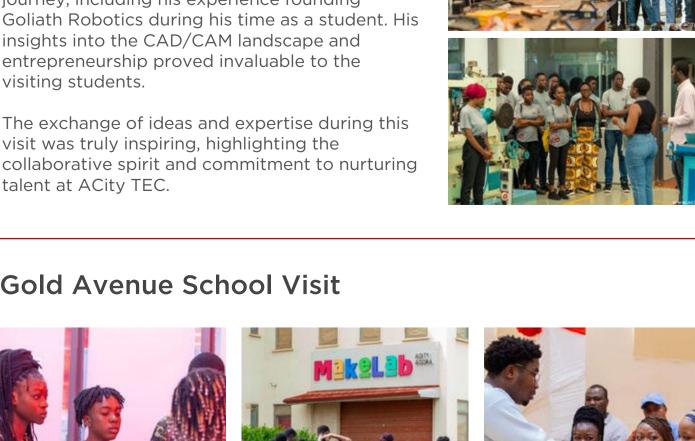
partnerships and about using our services.

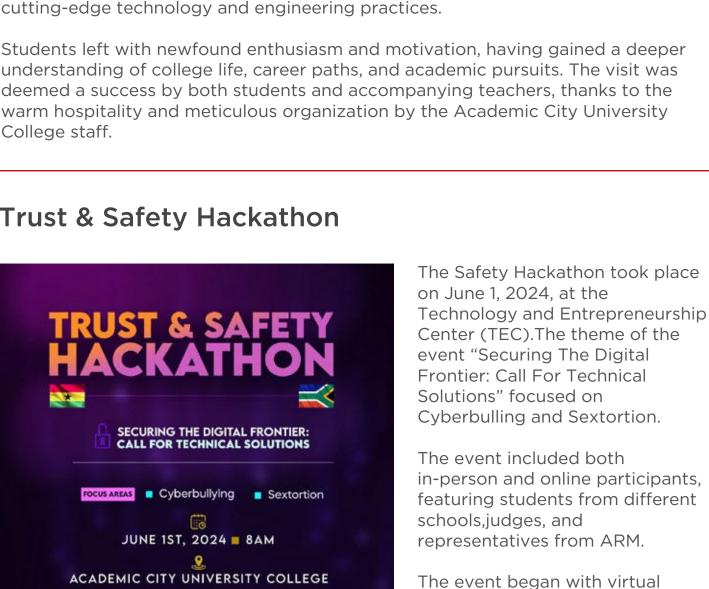
US State Dept. through the Coalition of Climate Entrepreneurs (CCE) Hub: Their commitment to fostering climate entrepreneurship aligns seamlessly with our mission to create impactful solutions for a sustainable future. arm (E3)NGAGE Arm: Through our partnership, we have established cutting-edge labs and initiatives that empower students to explore emerging technologies and drive aroundbreaking innovations. Makela 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.

Emmanuella Uwudia, Delasi Richards, Abdoul Latif Dabone, Nii Sodja Nablah, and Joe Apiriala-Atedoghu, 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.





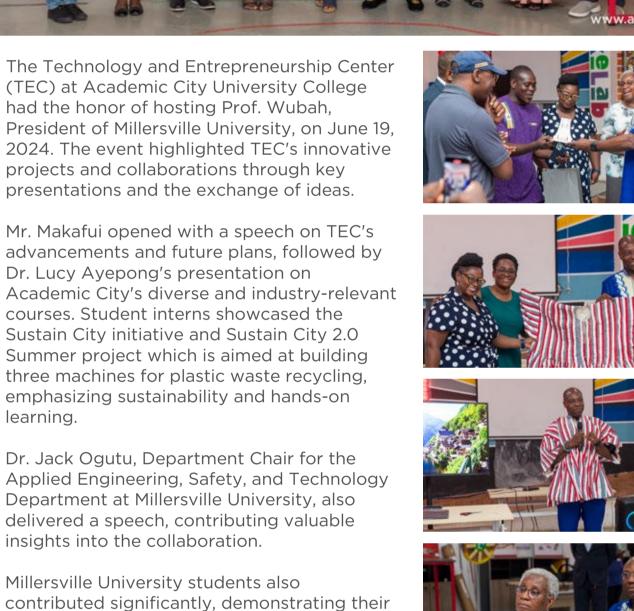




presentations from South African

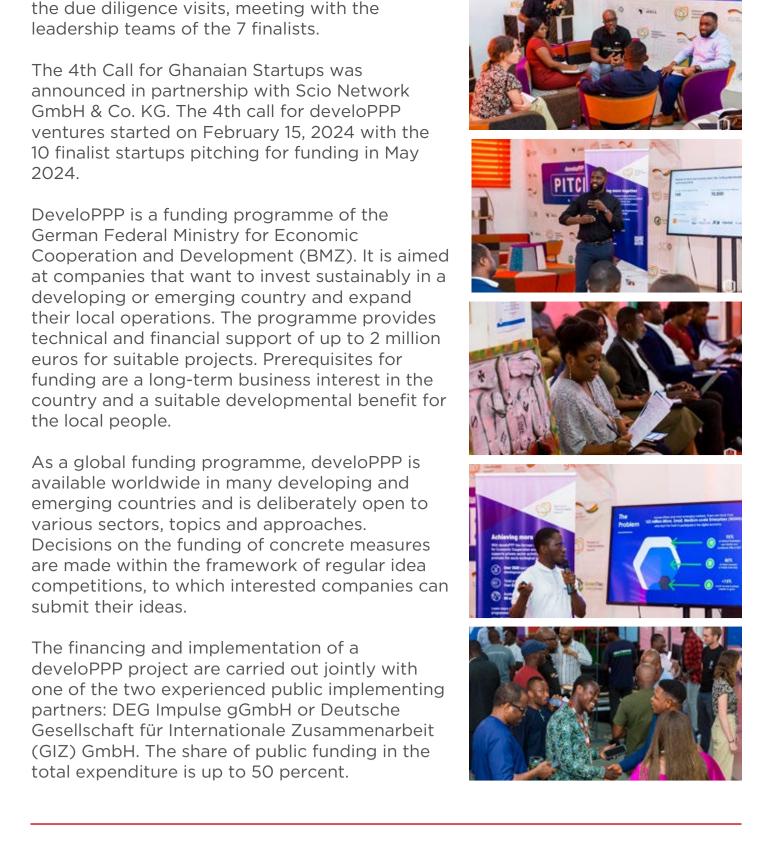
participants, who shared

innovative solutions for cyberbullying. Ghanaian



with United Way Ghana to launch the "Green4Clean" project. This initiative aims to educate and raise awareness about renewable energy and energy efficiency among students in Ghana. Piloted at La Enobal Basic School and Presbyterian Basic School, the project seeks to reduce reliance on fossil fuels and promote sustainability. As part of the initiative, Academic City will run a trainer of trainers (TOT) program for teachers in solar energy, wind energy, and biogas systems. The teachers will then be responsible for leading the transfer of knowledge to pupils in the two basic schools. Engineering students from Academic City will mentor pupils, guiding them in constructing various installations and promoting sustainable energy solutions. The collaboration focuses on integrating renewable energy education into the curriculum, fostering environmental responsibility, and inspiring future careers in the renewable energy sector. This effort aligns with several Sustainable Development Goals, encouraging sustainable practices and contributing to the personal development of young learners. The Technology and Entrepreneurship Center At **Academic City University College Hosts Developpy** Ventures Ghana's EUR 100,000 4th Cohort Pitch

Academic City, through its Technology and Entrepreneurship Centre, is partnering



Summer Coaching and Training For High School

This summer as we work on projects at the center in collaboration with two universities from the United States, we have decided to provide coaching opportunities to selected high school students over a 3-month period where

school students and teach them about designing and prototyping. 3 students including Penuella from International Leadership School in Texas, Joshua from Agape Academy in Ovarifa and Mahama from Koforidua Technical Institute have been learning to use Solid Works and Light Burn software to model while getting the opportunity to make prototypes from practical 3D printing and laser cutting

Academic City University students interning at the center can hand-hold these high

The maker space at ACity is aligned with the FUTURE READY EDUCATION vision of the university and has designed tailored programs for young people at different

stages of their journey. Talk to us today about how you can access these

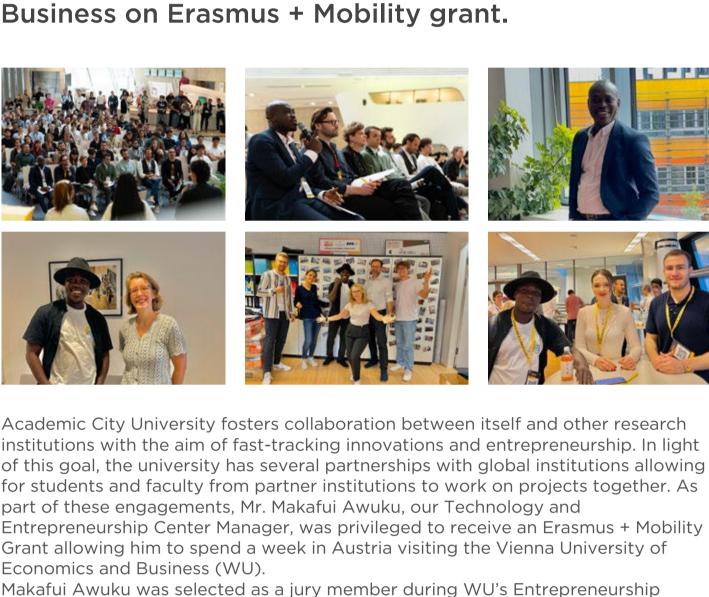
ACity Technology and Entrepreneurship Center

Manager Visits Vienna University of Economics and

Students

sessions.

opportunities for your ward.



Avenue Business Startup Competition while out in Austria and engaged the team at the university's Entrepreneurship Center to discuss opportunities for both sets of

Sustain City 2.0 - Dayton - ACity Ethos Program

2024: A 360 degrees plastic waste recycling project

faculty and students to collaborate on projects in both institutions.

in partnership with Mckingtorch Africa. The project has since then recovered 10 tons of plastic waste from the institution and eliminated the expenditure on plastic waste collection by waste management companies. This project has saved the university close to GHS 10,000 on waste collection. This summer the Sustain City project is being taken a step further as the faculty and students at Academic City University join hands with their counterparts from two American Universities, University of Dayton from Ohio and Millersville University from Pennsylvania as they build 3 recycling machines to turn plastic waste into raw materials for production of new items. The aim is to use these raw materials to create sustainable

In 2021, the ACity community became a sustainable community as a plastic waste

recovery and recycling project got off the ground

under the Coalition for Climate Entrepreneurs (CCE) lab at the center which is one of 8 labs set up by the U.S. State Department globally in 2023. The TEC at Acity has already partnered with the Young African Leaders Program (YALI) to run a **Programs and Events Upcoming**

Sponsorship, Support and Impact - Calling all

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.

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 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 Don't miss out on this opportunity to make a real difference. Contact us at