



ACADEMIC CITY
UNIVERSITY

THE EXPONENT

All About ACity



Academic City Newsletter
Q3 2026

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STUDENT INNOVATION & IMPACT

Shaping the future through creativity and technology.

STUDENT-BUILT DRONE TARGETS FALL ARMYWORM INFESTATIONS

Rene Joly Mohammed, a final-year Computer Engineering student in the Class of 2026, has developed an agricultural drone to help detect fall armyworm infestations in maize farms.

Built with open-source technology and locally available components, the drone was designed with Ghanaian farming conditions in mind. The project demonstrates how student-led innovation can support early detection and more responsive crop protection.

COMPUTER SCIENCE STUDENTS DEVELOP WEARABLE HEALTHCARE DEVICE

Final-year Computer Science students Famous Akpovogbeta, Abdoul Latif Dabone and Maureen Amago have developed Elitra, an intelligent wearable healthcare device designed to monitor vulnerable patients in real time. The project was inspired by the story of a 76-year-old woman who suffered a stroke after being left alone in an overheated room. Elitra is designed to detect critical changes in a patient's condition and alert caregivers before an emergency becomes life-threatening. The innovation reflects the students' use of technology to respond to a real healthcare challenge and improve support for vulnerable people.





FLOODGUARD TURNS REAL-TIME DATA INTO EARLY FLOOD WARNINGS

Final-year Computer Science students Kofi Akyea Ankama-Asamoah and Kobina Opei have developed FloodGuard, a data-driven early warning system for flood-prone communities. The platform combines real-time rainfall information and environmental data with machine learning to assess flood risk across 14 locations. It presents information through a colour-coded dashboard and sends location-based SMS alerts with guidance for residents before, during and after a flood event. FloodGuard demonstrates how data and technology can support timely decision-making and help communities reduce the impact of flooding.



STUDENTS ENGINEER AN AUTOMATED FONIO PROCESSING MACHINE

A multidisciplinary team of Academic City students from the Class of 2026 have designed an automated machine to improve fonio processing. The grain's small size and resilient outer husk make it difficult to process efficiently using equipment designed for larger crops. The students developed a system using custom helical shafts, precision hoppers and cyclone separation to support more efficient dehushing and processing. The project highlights the potential of locally developed engineering solutions to strengthen agricultural production and support the commercial growth of indigenous crops across West Africa.



CROSS-DISCIPLINARY TEAM AUTOMATES MUSHROOM CULTIVATION

Academic City students Setornam Koku Dedey (BSc Electrical and Electronics Engineering '26), Kojo Nyan Sagoe (BSc Computer Engineering '26) and Cindy Oduro Koranteng (BSc Information Technology '26) have developed a data-driven system to automate mushroom cultivation.

The solution combines a greenhouse structure with sensors and automated controls for temperature, humidity, light and carbon dioxide. A digital platform processes the data and presents it through a user-friendly monitoring dashboard.

The project demonstrates how cross-disciplinary innovation can improve growing conditions, reduce manual intervention and support more efficient agricultural production.



PARTNERSHIPS & INNOVATION

Collaborations, industry advancements, and infrastructure developments that shape the future of education and research.

SECURING TRUST IN GHANA'S DIGITAL FUTURE: ACCOUNTABILITY, AWARENESS, AND ACTION

NEW WHITE PAPER CALLS FOR ACTION TO SECURE GHANA'S DIGITAL FUTURE



Academic City University, in partnership with the Institute of ICT Professionals Ghana and the Cyber Security Authority, has released a white paper titled ***Securing Trust in Ghana's Digital Future: Accountability, Awareness and Action.***

The publication comes at a time when Ghana recorded more than GHS 19.3 million in cybersecurity-related financial losses in 2025. It calls for stronger accountability, increased public awareness, improved digital literacy and coordinated action across government, academia, industry and civil society.

The white paper contributes to ongoing national efforts to build a safer and more trusted digital environment.

[Read More](#)

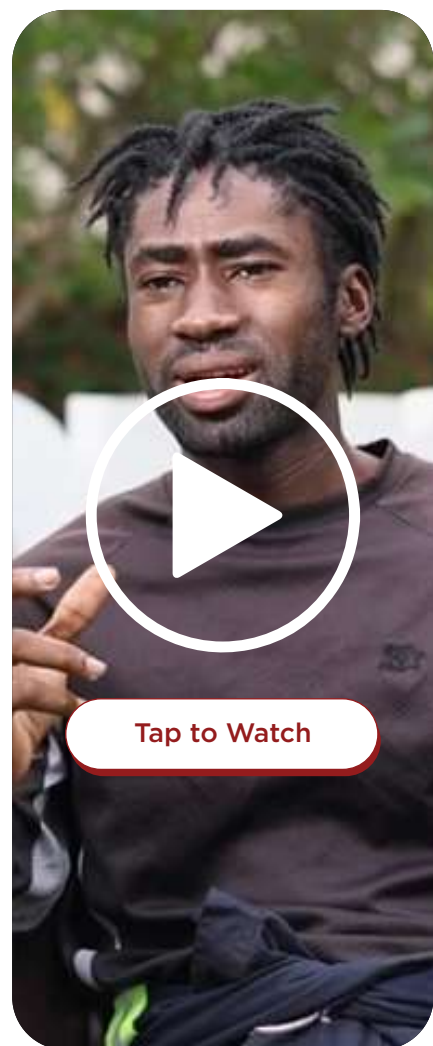
WHITE PAPER STAKEHOLDER PRESENTATIONS



Office of the Former Vice President
Presentation of the white paper to
Dr Mahamudu Bawumia

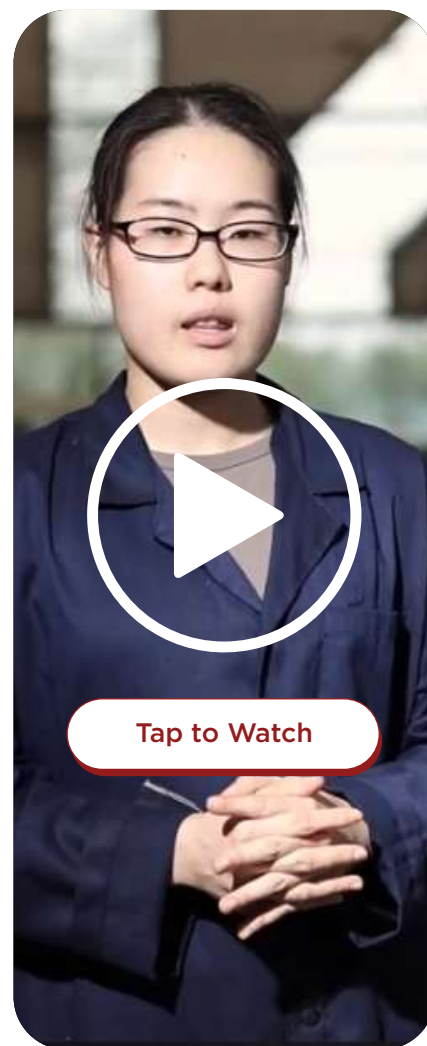


Ghana Armed Forces
Presentation of the white paper to
Major General Stephen
Woseadzikpo Kweku Parbey,
Chief of Defence Intelligence



Tap to Watch

Cultural Experience



Tap to Watch

Engineering Project

Academic City students and their peers from the University of Dayton participated in the ETHOS Programme, combining engineering, research and cross-cultural learning. Working together, they developed an innovative prototype to improve the processing of fonio, one of West Africa's oldest and most resilient indigenous grains.

The project provided an opportunity for students from both institutions to apply their technical knowledge, exchange ideas and develop practical solutions to real-world challenges.

Beyond the engineering work, participants visited Cape Coast to explore Ghana's history, culture and tourism, enriching their experience and strengthening the connections formed through the collaboration.



RECOGNITION & ACHIEVEMENT

Celebrating the accomplishments of our students, faculty, and leadership whose impact, excellence, and dedication bring pride to the Academic City community.





ACADEMIC CITY NAMED GHANA'S LEADING INNOVATION- DRIVEN UNIVERSITY



Academic City University has been named Leading Innovation-Driven University – Ghana – 2026 by Global Brands Magazine. The recognition follows an independent evaluation covering academic excellence, innovation in teaching and learning, research, industry collaboration, student development and technological advancement.

The award recognises Academic City's continued focus on technology, entrepreneurship, practical learning and future-focused education.

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ACADEMIC CITY JOINS DUKE UNIVERSITY-INCUBATED GLOBAL INNOVATION SANDBOX

Academic City University has been selected as one of 49 higher education institutions worldwide to participate in the inaugural Future Universities Alliance Innovation Sandbox, a 12-month global initiative incubated at Duke University.

Representing 23 countries, participating institutions will collaborate on new approaches to higher education through peer learning, knowledge exchange and shared problem-solving. Academic City will contribute its work on integrating entrepreneurship and venture creation across the academic experience.

[Read More](#)





ACADEMIC CITY LECTURER SELECTED FOR UNIVERSITY OF MICHIGAN AI FELLOWSHIP

Dr Ali Abubakar, Lecturer in Computational Science at Academic City University, has been selected for the Eric and Wendy Schmidt AI in Science African Faculty Fellowship at the University of Michigan's Institute for Data and AI in Society.

The fellowship supports African faculty members applying artificial intelligence to scientific research and provides opportunities for collaboration, professional development and access to a wider research community.

Dr Abubakar's selection marks an important milestone in his academic work and contributes to efforts to strengthen Africa's artificial intelligence research ecosystem.

[Read More](#)



COMMUNITY IMPACT

Driving positive change through outreach, volunteerism, and social initiatives that make a difference beyond campus.



Academic City University participated in the British Council Partner Schools Awards, which recognised exceptional teachers and principals for their contribution to education.

The event celebrated educators whose dedication continues to inspire excellence in schools and support young people's development. It also highlighted the important role teachers and school leaders play in challenging, encouraging and preparing students to realise their potential.

Academic City's participation reflects its appreciation for the educators who help build the foundation for future-ready learning.





ACADEMIC CITY SUPPORTS GHANA NATIONAL SANITATION DAY



Academic City University participated in Ghana's National Sanitation Day through a clean-up exercise led by the Facilities Team. Members of the University community worked to improve cleanliness on campus and within the surrounding area.

The exercise contributed to efforts to maintain clean, safe and healthy spaces for learning, working and community life. It also reinforced the importance of environmental stewardship and shared responsibility for the spaces people use every day.





Academic City University has awarded a full master's scholarship valued at GHS 107,700 to Vanessa Woenam Banini, winner of the 2026 Top Intern competition.

The scholarship provides her with an opportunity to continue her education at postgraduate level while developing the knowledge and skills needed for the next stage of her professional journey.

The award reflects Academic City's commitment to recognising excellence, nurturing emerging talent and supporting outstanding graduates to realise their potential.

[Read More](#)





ACADEMIC CITY WELCOMES CODE AFRIQUE 2026 PARTICIPANTS



Academic City University hosted the opening of the Code Afrique 2026 Summer Programme, welcoming a team from Cornell University's Ann S. Bowers College of Computing and Information Science and over 80 high school students for an immersive learning experience in computing and technology.

The programme introduced the students to coding and technology through an environment designed to encourage practical learning, curiosity and collaboration.

By hosting the programme, Academic City provided a space for young learners to engage with new ideas, build connections and explore future possibilities in computing and technology.

[Read More](#)



INSIGHT & INSPIRATION

Thought-provoking lectures and discussions featuring industry experts, leaders, and academics, inspiring students to think beyond the classroom.





ACITY PRESIDENT ENCOURAGES YOUNG GRADUATES TO LEAD WITH PURPOSE



Academic City University President, Prof. Fred McBagonluri, delivered the keynote address at the North Legon Little Campus Graduation Ceremony.

In his remarks, he encouraged the graduates to approach the next stage of their education with curiosity, resilience and purpose. He emphasised that meaningful success is built not only on knowledge, but also on the courage to lead, innovate and create lasting impact.

His message invited the young graduates to remain open to learning and to use their abilities to contribute positively to their communities.





EVENTS & ENGAGEMENTS

Events and conferences that spark collaboration, inspire insights, and strengthen our community through shared learning.





ACITY ORGANISES ENGAGEMENT SESSIONS TO GUIDE PROSPECTIVE STUDENTS AND PARENTS



Academic City University held a series of engagement sessions to help prospective students and their families better understand the University experience and make informed decisions before enrolment.

- **Shadow Day** gave prospective students a first-hand experience of learning at ACity through classroom sessions, interactions with faculty and students, and visits to laboratories and facilities.
- **Open Day** brought together students, parents and school representatives for discussions on programmes, admissions and student life.
- **Parents' Night** allowed applicants and parents to engage directly with the University, ask questions, and gain further clarity on the Academic City experience.

GLIMPSES FROM THE EVENTS





MEDICAL INNOVATION EXPO 2026: ADVANCING HEALTHCARE INNOVATION IN AFRICA



Academic City University hosted the second edition of the Medical Innovation Expo from 22-24 September 2026 under the theme “Beyond the No-Bed Syndrome: Locally Designed Systems That Deliver Care.” The three-day event brought together healthcare professionals, researchers, innovators, entrepreneurs and industry leaders to explore practical solutions to Africa’s healthcare challenges.

The Expo featured visits to Ga East Municipal Hospital and GAEC Hospital, keynote addresses, panel discussions, hands-on workshops, poster presentations, innovation showcases and exhibitions. It provided a platform for knowledge exchange, meaningful partnerships and the development of locally designed solutions to improve healthcare delivery across Africa.







THE EXPONENT

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