ACCRA TECHNICAL UNIVERSITY

ATU Teller

Quarterly Newsletter

Vol. 007 Issue No. 003 JULY - OCT., 24





Unlocking the Future: ATU's TecFuPro Conference Explores the Power of Technology in Education



A Surge in Power: ATU's 800KVA Generator Sets the Stage for Future Growth

For More Information

https://atu.edu.gh

CONTENTS

1. ATU Crowned West Africa's Leading Technical University..... 4
2. ATU Triumphs at the 5th African Energy and Sustainability Summit: A Step Forward in Sustainable Development..... 8
3. Bridging Academia and Industry: Accra Technical University Leads the Way..... 12
4. Unlocking the Future: ATU's TecFuProConference Explores the Power of Technology in Education..... 18
5. Empowering Research Excellence: ATU's Faculty of Built Environment Champions Grant Writing and Innovation..... 24
6. ATU to Embrace Future of Learning with Christiani International's Advanced Educational Toos..... 28
7. ATU and EMETTS Partner to Equip Students with Essential PLC Skills for Industrial Automation..... 32
8. A Surge in Power: ATU's 800KVA Generator Sets the Stage for Future Growth..... 36
9. Accra Technical University Strengthens Campus Waste Management 40



ATU CROWNED WEST AFRICA'S LEADING TECHNICAL UNIVERSITY

The 2024 Africa Academia Conference and Awards in Addis Ababa, Ethiopia, brought together the continent's academic and policy leaders to celebrate excellence in education. In a highlight of the event, Accra Technical University (ATU) was named Best Technical University in West Africa. This prestigious recognition cements ATU's leadership in technical and vocational education, affirming its impact on higher education across Ghana and the West African sub-region.

Behind this recognition lies a story of innovation, resilience, and an unwavering commitment to excellence. At the heart of ATU's success is its groundbreaking Research



and Innovation Hub, an initiative where ideas are transformed into life-changing solutions. From pioneering advancements in artificial intelligence to developing anti-cancer innovations, ATU's research agenda has consistently tackled challenges with a focus on practical impact. The hub, a collaborative space for students and lecturers, epitomizes the university's mission to bridge the gap between knowledge and application, shaping minds that create solutions.

The Addis Ababa stage was also a platform for reflecting on the transformative role of technical education in Africa's development. ATU's rise to prominence is not just about accolades; it is about a vision to redefine education. By fostering a skills-driven approach, the university is equipping graduates to tackle Africa's socio-economic challenges head-on. Its achievements, from awards for sustainability-focused curricula to being named Ghana's Best TVET Institution, are milestones on a journey that continues to inspire.













ATU TRIUMPHS AT THE 5TH AFRICAN ENERGY AND SUSTAINABILITY SUMMIT:

A STEP FORWARD IN SUSTAINABLE DEVELOPMENT

Accra Technical University (ATU) has made a resounding mark on the global stage, earning three prestigious awards at the 5th African Energy and Sustainability Summit held in Akosombo, Ghana. These awards are not only a recognition of the university's excellence in sustainable energy education, but also a reflection of its growing influence in shaping the future of Africa's energy sector.

In a competitive field that included top institutions like Central University, Ashesi University, and Kumasi Technical University, ATU stood out by securing the Think Energy SDG Energy Curriculum Award, the SDG Teaching/Learning Award, and





the Energy SDG Research in Sustainable Energy Award. These accolades highlight the university's ongoing commitment to integrating sustainability across its academic programs, teaching methods, and research initiatives.

The summit itself, held under the theme "A*chieving Financial Sustainability of Africa's Energy Transition – The Role of ESG in Attracting Investment,"* brought together leaders in academia, industry, and government to discuss how digital transformation and innovation are central to Africa's energy future. At the heart of the discussions were strategies for overcoming the continent's energy challenges and driving a sustainable energy transition.

The significance of ATU's success lies not only in the awards themselves but in what they represent: a university that understands the urgency of addressing energy and sustainability issues within the context of Africa's future. By fostering collaboration between the academic, research, and industrial sectors, ATU is positioning itself at the forefront of Africa's transition to a greener, more sustainable future.

Each of the awards received by the university speaks to a specific area of excellence. The Think Energy SDG Energy Curriculum Award acknowledges ATU's efforts to equip its students with the skills needed to address the energy challenges of tomorrow. The SDG Teaching/Learning Award recognizes the university's innovative teaching strategies that inspire students to think critically about sustainable solutions. Meanwhile, the Energy SDG Research in Sustainable Energy Award celebrates the cutting-edge research ATU has been conducting, providing invaluable insights into sustainable energy technologies and policies.

What makes these awards particularly significant is the context in which they were awarded. With energy and sustainability being at the core of many national development agendas across Africa, institutions like ATU are not just contributing to academic discourse, they are driving real-world change. Through its involvement in forums like the African Energy and Sustainability Summit, ATU is helping shape the direction of energy policy and research, ensuring that Africa's energy needs are met with innovative, sustainable solutions.



The university's participation at the summit has also brought international attention to its achievements, showcasing how universities can play an integral role in addressing the global challenges of climate change, energy access, and sustainability. With its remarkable success, ATU has now set a benchmark for other institutions across the continent to follow.


SDG Teaching & Learning
Ashesi University
Accra Technical University
Ho Technical University
KNUST



BRIDGING ACADEMIA AND INDUSTRY:
ACCRA TECHNICAL UNIVERSITY LEADS THE WAY

Accra Technical University (ATU) has taken a bold step in reshaping the relationship between education and industry with its second CEOs Lecture Series. Held on August 15, 2024, at the British Council, the event brought together leading experts in technology, entrepreneurship, and innovation under the theme "Innovation and Entrepreneurship Ecosystem."

The event served as a platform to address a critical challenge: how universities can align their teaching and research with the fast-changing demands of the job market. Discussions emphasized the need for graduates to move beyond textbook knowledge and embrace creativity, problem-solving, and entrepreneurial thinking. ATU demonstrated its commitment to bridging this gap by positioning itself as a hub for practical innovation and forward-thinking education.

A key message from the forum was the importance of technical universities staying true to their identity. ATU, for instance, has carved a niche by merging theory with practice, preparing students to address real-world challenges with confidence. Suggestions such as setting up innovation hubs and increasing scholarships for STEM students were highlighted as impactful strategies to encourage creativity and empower students to bring fresh ideas to life.

Another significant point of discussion was the role of Technical and Vocational Education and Training (TVET) in addressing unemployment. The forum championed TVET as a game-changer that should be integrated into all levels of education. By equipping students with skills that make them job creators rather than job seekers, TVET holds the potential to drive economic growth and reduce dependency on government employment.









The Acting Vice-Chancellor, Professor Amevi Acakpovi, shared the importance of initiatives like the CEOs Lecture Series. He described the series as a vital bridge between academia and industry, fostering collaborations that drive impactful research and innovation. He further reiterated ATU's ambition to distinguish itself as Ghana's leading technical university through its cutting-edge programs, research projects, and partnerships with industry.

ATU's forward-thinking approach has positioned it as a leader in shaping a future-ready workforce. By embracing innovation, promoting collaboration, and staying committed to practical education, the university is setting the pace for technical institutions across the nation.











The CEOs Lecture Series exemplifies ATU's vision to empower its students with the tools and mindset needed to thrive in an increasingly competitive world. The event was a testament to the university's dedication to driving progress in education and industry alike.



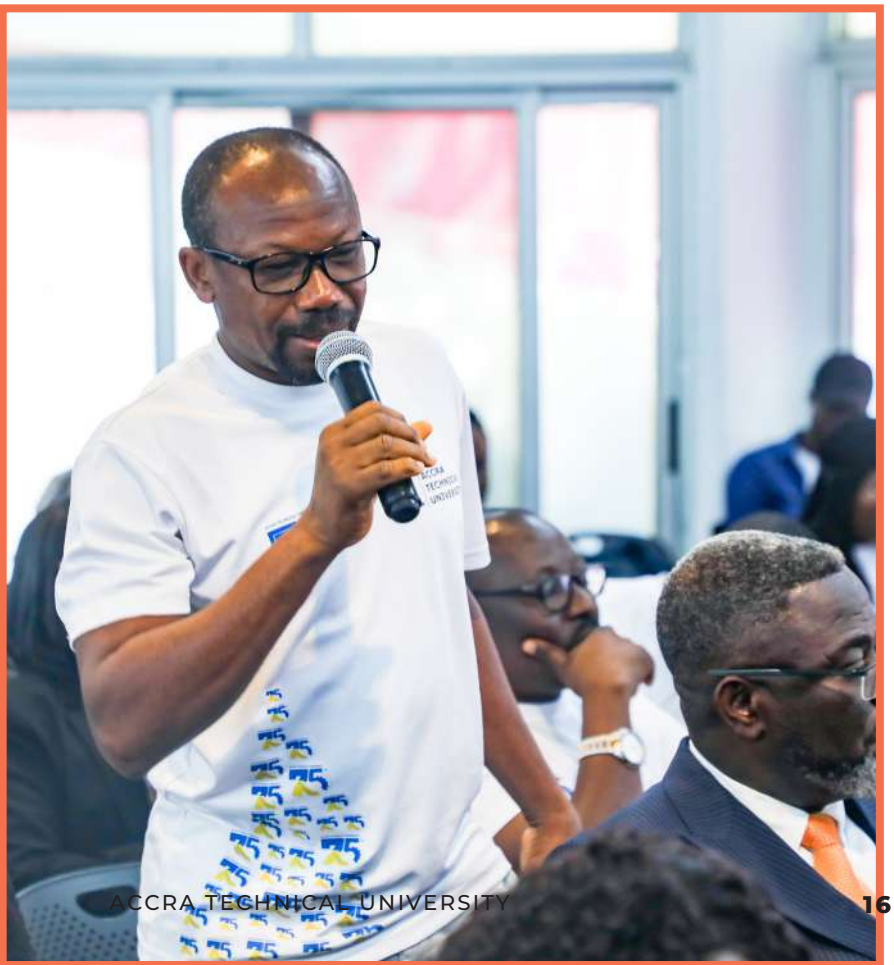













BRITISH
COUNCIL








ACCRA
TECHNICAL
UNIVERSITY







Unlocking the Future:
ATU's TecFuPro Conference Explores the Power of Technology in Education

Accra Technical University (ATU) once again demonstrated its role as a thought leader in education and innovation through the highly impactful International Conference on Tech Trends and Future Careers (TecFuPro). This two-day event, held on August 15–16 at the University's Auditorium, brought together academic luminaries, industry experts, and policymakers to delve into the transformative power of digital technologies in education and workforce development.

TecFuPro, a collaborative effort between ATU, the University of Vaasa, and Vaasa University of Applied Sciences in Finland, explored the intersection of technology and education, offering participants fresh insights into the potential of digital tools like Artificial Intelligence (AI). The conference was not just about discussions, it was a call to action for educators, students, and industry leaders to rethink how technology can redefine the learning experience and equip graduates with future-ready skills.

Among the highlights was an engaging panel discussion on how AI is reshaping job markets, pushing the boundaries of traditional roles, and necessitating continuous upskilling. The discourse challenged participants to look beyond degrees and embrace digital fluency as the new currency in the job market. The message was clear: adaptability and proficiency in digital tools are no longer optional but essential in navigating the demands of a tech-driven world.



The conference also showcased study opportunities in Finland, with representatives from the University of Vaasa and Vaasa University of Applied Sciences sharing valuable information on scholarships, academic programs, and student life. This segment signified the importance of global educational collaborations in broadening horizons and fostering innovation.



Notably, TecFuPro was a celebration of partnerships. The event brought together stakeholders from across academia, government, and industry, unified by a shared vision of leveraging technology to address contemporary challenges.




conference 2024
TOPIC AND DISCUSSION








ROSA


ACCRA TECHNICAL UNIVERSITY
VAMK








TECHTRENDS & FUTURE CAREERS
TECFUPRO
conference 2024


twisco


twisco


MTN





























EMPOWERING RESEARCH EXCELLENCE: ATU'S FACULTY OF BUILT ENVIRONMENT CHAMPIONS GRANT WRITING AND INNOVATION

At Accra Technical University (ATU), the Faculty of Built Environment is leading the charge in advancing research and innovation within the academic community. In an effort to propel the faculty's research agenda, the recent workshop on research and grant writing brought together faculty members and researchers for an engaging, thought-provoking experience. Held on September 2, 2024, at the ATU Lodge, this workshop provided essential tools to elevate the faculty's academic output and open doors for impactful industry collaborations.

The workshop highlighted the significance of research as a catalyst for growth, both within academia and the larger industry landscape. With ATU's commitment to positioning itself as a leader in academic research, the Faculty of Built Environment is focused on expanding its research portfolio and securing grants that drive impactful projects. The workshop aimed to inspire faculty members to hone their research skills, develop competitive proposals, and enhance the university's visibility on global academic platforms.









A highlight of the event was the insightful presentation by Professor Clinton Aigbavboa, a renowned expert from the University of Johannesburg. His session on cultivating a strong research culture provided invaluable guidance on creating an environment that fosters curiosity, critical thinking, and problem-solving. Professor Aigbavboa also shed light on how research, when strategically integrated, can lead to tangible societal benefits and solutions for pressing global challenges. His emphasis on research being more than just a means of financial gain, but a tool for societal transformation, resonated deeply with the attendees.

The workshop also delved into the essential skills of grant writing, with Professor Aigbavboa offering practical advice on how to develop competitive, fundable research ideas that align with the priorities of funding agencies. Attendees were encouraged to position their work as valuable contributions to societal advancement, thereby increasing their chances of securing funding and fostering academic collaborations.







A key takeaway from the event was the importance of networking and visibility. Faculty members were urged to establish robust profiles on academic platforms such as Google Scholar, which can lead to increased publication opportunities, recognition, and collaboration with international research bodies. By positioning themselves at the forefront of academic discourse, faculty members can enhance their professional profiles while contributing to ATU's growing reputation as a center of academic excellence.



The interactive nature of the workshop allowed participants to discuss strategies for overcoming the challenges of securing research funding. Through peer-to-peer exchanges and practical case studies, attendees gained valuable insights into how to navigate the competitive world of academic grants and increase their chances of success.



This workshop marks a pivotal moment in the Faculty of Built Environment's ongoing journey toward research excellence. By equipping faculty members with the tools, knowledge, and skills to thrive in today's dynamic research environment, ATU continues to set itself apart as a university that not only values education but also invests in the future of research and innovation.





ATU TO EMBRACE FUTURE OF LEARNING WITH CHRISTIANI INTERNATIONAL'S ADVANCED EDUCATIONAL TOOLS

In a bid to transform technical education and embrace the future of learning, Accra Technical University (ATU) is engaged in advanced talks with the Delegation of German Industry and Commerce in Ghana and Christiani International, a global leader in technical and vocational training solutions. The partnership aims to modernize ATU's academic infrastructure, introducing cutting-edge equipment and innovative teaching solutions.



The discussions, held on September 17, 2024, at ATU's Council Chamber, were attended by the university's management team and Christiani International's regional

manager, Sule Akarsu. The meeting highlighted the shared vision of bridging the digital divide in education and equipping students with the skills needed to thrive in an increasingly technological world.

Christiani's contribution to the partnership extends beyond conventional educational tools. Akarsu introduced ATU's management to the company's comprehensive approach to modernizing technical education, which includes advanced training lab equipment, innovative workstation systems, and a wide array of learning media. These tools range from interactive webinars and workshops to simulation programs, digital materials, and immersive technologies like virtual and augmented reality, all designed to enhance practical learning and foster Industry skills.





The potential partnership holds immense promise for ATU, aligning with its ongoing efforts to integrate digital technologies into its curriculum. Both parties expressed excitement about the prospects of transforming how technical education is delivered, ensuring that ATU students have access to the best resources to prepare them for the demands of a rapidly evolving job market.



The collaboration is poised to usher in a new era for technical education at ATU, where innovation and practical skills development are at the forefront of academic delivery. As discussions continue, both ATU and Christiani International are eager to formalize the partnership, with the goal of revolutionizing education and contributing to the development of a skilled, future-ready workforce.








ACCRA
TECHNICAL
UNIVERSITY
ATU/BI/310/2016-5/16



ATU AND EMETTS PARTNER TO EQUIP

STUDENTS WITH ESSENTIAL PLC SKILLS FOR INDUSTRIAL AUTOMATION

Accra Technical University (ATU), in collaboration with the Electrical and Mechanical Engineering Technical Training School (EMETTS), hosted an insightful two-day workshop aimed at immersing students in the world of Programmable Logic Controllers (PLCs), a key technology in industrial automation. Held at ATU's Amatrol laboratory, this event provided participants with both foundational knowledge and hands-on skills in PLC systems, offering a window into the future of manufacturing and industrial processes.

PLC technology lies at the core of modern industrial automation, driving the efficiency and reliability of systems that power industries globally. Recognizing the growing demand for professionals skilled in this area, ATU

and EMETTS designed the workshop to ensure that students not only understand the theoretical underpinnings of PLCs but also gain practical expertise. The training covered a wide array of topics, from basic PLC principles to more advanced applications and programming techniques, offering a comprehensive learning experience.

The workshop was thoughtfully structured to combine theoretical learning with practical application. Lead instructor Mr. Owusu Attakorah guided participants through the key concepts of PLCs demonstrating their essential role in controlling machinery, automating processes, and optimizing systems for greater efficiency, safety, and precision. Throughout the sessions, real-world applications of PLC technology were emphasized, highlighting its pivotal role across industries such as manufacturing, energy, and automation.



Hands-on exercises were integral to the training, allowing students to work directly with PLC systems. Participants wrote and simulated Ladder Logic programs, set up and tested PLCs, and tackled debugging challenges skills that are in high demand in today's evolving job market. By engaging with the technology firsthand, students gained valuable experience that boosted their confidence in troubleshooting and resolving automation challenges.

The workshop culminated in a project presentation segment, where students showcased their PLC-based projects, demonstrating their understanding and creativity. Peer reviews and feedback from instructors further enhanced their learning, ensuring they walked away with a clearer, more practical grasp of PLC applications.

This workshop is a testament to ATU's commitment to aligning academic learning with the demands of industry. As automation continues to transform the global workforce, equipping students with relevant, real-world skills is more critical than ever.

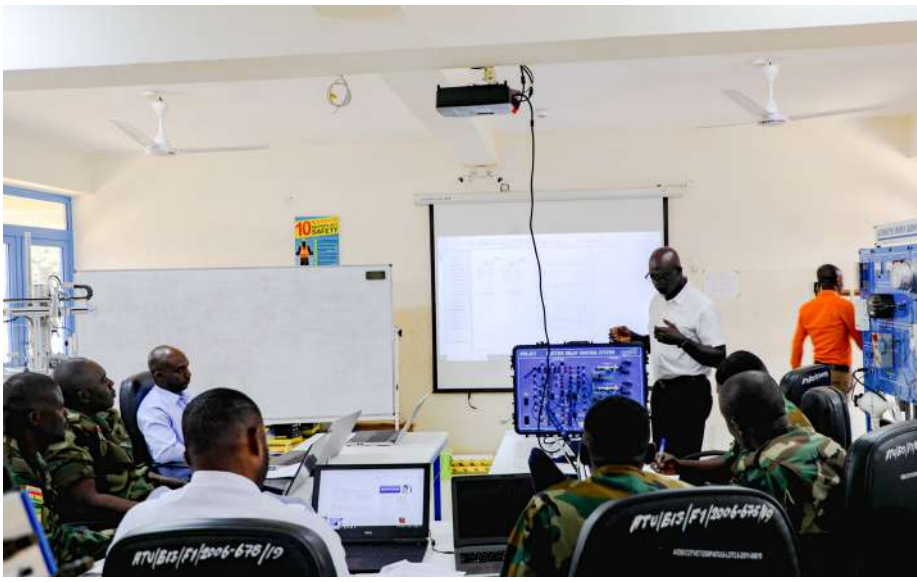







TECHNICAL
UNIVERSITY






ACCRA
TECHNICAL



A SURGE IN POWER: ATU'S 800KVA GENERATOR SETS THE STAGE FOR FUTURE GROWTH

As Accra Technical University (ATU) continues to expand its academic offerings and infrastructure, the need for a reliable and sustainable energy source has never been more critical. To address these growing demands, ATU has received a significant boost with an 800KVA generator, generously donated by the International Finance Corporation (IFC). This donation is poised to transform the university's energy capacity, ensuring a steady and efficient power supply that will enhance both day-to-day operations and long-term growth.

The 800KVA generator is a key investment in ATU's future, strengthening its energy infrastructure and enabling the university to better serve its ever-expanding community. This addition comes as ATU experiences a rapid increase in student enrollment and campus development, both of which require a consistent and reliable

energy source. With the new generator, the university is positioned to overcome energy challenges that have increasingly hindered its operations, from powering classrooms to supporting research and student activities.

This partnership with IFC, which has already contributed a range of resources to the university, marks a continued commitment to strengthening ATU's capacity to deliver quality technical education. The generator, which will serve the university's current needs and provide a buffer for future growth, is an example of how strategic collaborations are helping educational institutions thrive in the face of growing infrastructure demands.





The generator is just the latest in a series of vital donations from IFC to ATU. Previous contributions, including IT equipment, laptops, and printers, have enhanced the university's academic environment, providing faculty and students with the tools necessary for success. With this powerful new addition, ATU can rest assured that its energy needs will be met for years to come, enabling the university to maintain its high standards and continue its mission of providing world-class education.

This donation signals more than just an upgrade to ATU's physical infrastructure it's a clear indication that the university is ready to meet the demands of a rapidly evolving educational landscape. With a secure energy future now in place, ATU is poised to continue leading the charge in providing innovative, high-quality technical education that prepares students for the challenges of tomorrow.




started 36 minutes ago












DALE







ACCRA TECHNICAL UNIVERSITY STRENGTHENS CAMPUS WASTE MANAGEMENT

Accra Technical University (ATU) has demonstrated its commitment to sustainability and operational efficiency with the acquisition of a refuse garbage compactor truck. This strategic addition is set to transform waste management on campus, enabling smoother, cost-effective, and environmentally friendly disposal processes.

With a steadily growing student population, the challenge of managing increasing waste volumes has been a pressing issue. By acquiring its own compactor truck, ATU eliminates reliance on outsourced services, cutting down on expenses while ensuring more reliable waste collection. This forward-thinking approach underscores the University's dedication to creating a cleaner, well-maintained campus environment.

The initiative aligns with ATU's broader sustainability goals, reflecting an institutional shift towards self-reliance and resource optimization. By taking charge of its waste management, the University enhances not only its operational capabilities but also its commitment to environmental responsibility.

Complementing this milestone, the University also used the occasion to bolster administrative support, presenting vehicles to key officials to aid their roles. This initiative is a reflection of ATU's recognition of the need for functional resources to drive its mission. The vehicles symbolize trust in the officials to uphold the University's values while maintaining the assets under their care.



The dual emphasis on waste management innovation and asset stewardship highlights ATU's holistic approach to progress. The acquisition of the compactor truck is more than an operational upgrade; it is a statement of the University's readiness to address modern challenges with practical, forward-looking solutions.


SHACMAN
F3000
598-24












ACCRA TECHNICAL UNIVERSITY






ACCRA TECHNICAL UNIVERSITY





© 2024

Accra Technical University
Public Affairs Directorate
Email: info@atu.edu.gh/pr@atu.edu.gh
https://atu.edu.gh
Tel: 0332095371/0543264917/0544368159