



Volume 1, Issue No. 2, 2025

2025 ZAMREN WEEK: A Landmark week for innovation and collaboration



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About Us

The Zambia Research and Education Network (ZAMREN) is the country's dedicated National Research and Education Network (NREN), providing specialized digital infrastructure and services that support research, learning, and innovation. As a non-profit Internet Service Provider, ZAMREN connects universities, colleges, research institutions, schools, libraries, and key education-support bodies, creating a trusted platform for collaboration and knowledge exchange.

Beyond connectivity, ZAMREN enables access to global research resources, e-learning platforms and professional digital communities, ensuring that Zambia's education and research sector remains competitive and future-ready. Guided by its vision to be a leading provider of innovative ICT solutions, ZAMREN is driven by a clear mission to deliver secure, affordable and high-quality digital services that advance social and economic development. Through this work, ZAMREN continues to empower institutions, strengthen human capacity and support Zambia's growing knowledge economy.

OUR SERVICES



CORPORATE VALUES

Excellence, Accessibility, Teamwork , Innovation and Integrity

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X: @ZambiaRen

Instagram: Zambia Research and Education Network

LinkedIn: Zambia Research and Education Network

YouTube: Zambia Research and Education Network



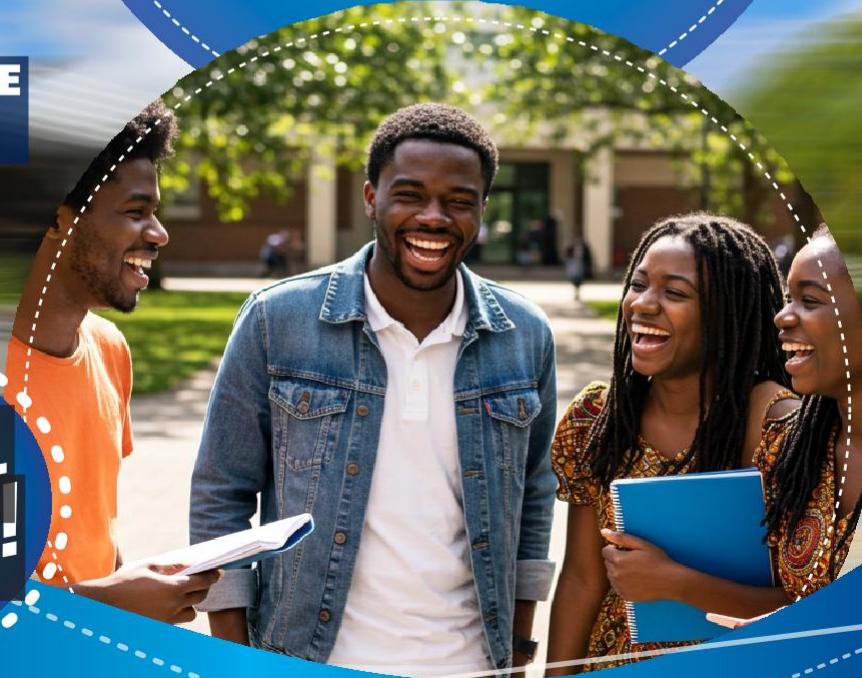
2025/26 Admissions

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FULL-TIME AND EVENING PROGRAMMES JULY 2025 AND JANUARY 2026 INTAKE

- Bachelor of Information Technology
- Bachelor of Software Engineering
- Bachelor of Cyber Security
- Bachelor of ICT with Education
- Bachelor of Engineering in Electrical and Electronics
- Bachelor of Engineering in Electrical and Instrumentation
- Bachelor of Engineering in Telecommunication and Electronics
- Bachelor of Accountancy
- Bachelor of Business Administration
- Bachelor of Science in Marketing
- Bachelor of Purchasing and Supply Chain Management

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- Domestic Electrical Installation
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- Tailoring & Design
- Bricklaying & Plastering
- Carpentry and Joinery
- Auto Mechanics
- ICT Fundamentals

Strategic Collaborations

ZUT is a proud member of ZAMREN and continues to foster partnerships with national and international institutions, including Dongguan Institute of Technology (China), FQM Trident, KCM, Sandvik, and others to enhance innovation, industrial training, and research.

Why Choose ZUT

- Government sponsorship through HELSB & CDF (tuition, accommodation & meal allowances)
- Instant Admission & Recruitment Tours nationwide
- Cutting-edge ICT facilities and innovation labs
- Strong focus on research, innovation & entrepreneurship

METHOD OF APPLICATION

Ndola, Copperbelt Province, Zambia. www.zut.ac.zm info@zut.ac.zm +260 969 123 456 / +260 211 123 456 Facebook | LinkedIn | Instagram | YouTube – @ZUTZambia ZAMBIA UNIVERSITY COLLEGE OF TECHNOLOGY Advancing Knowledge and Innovation The IT Specialists

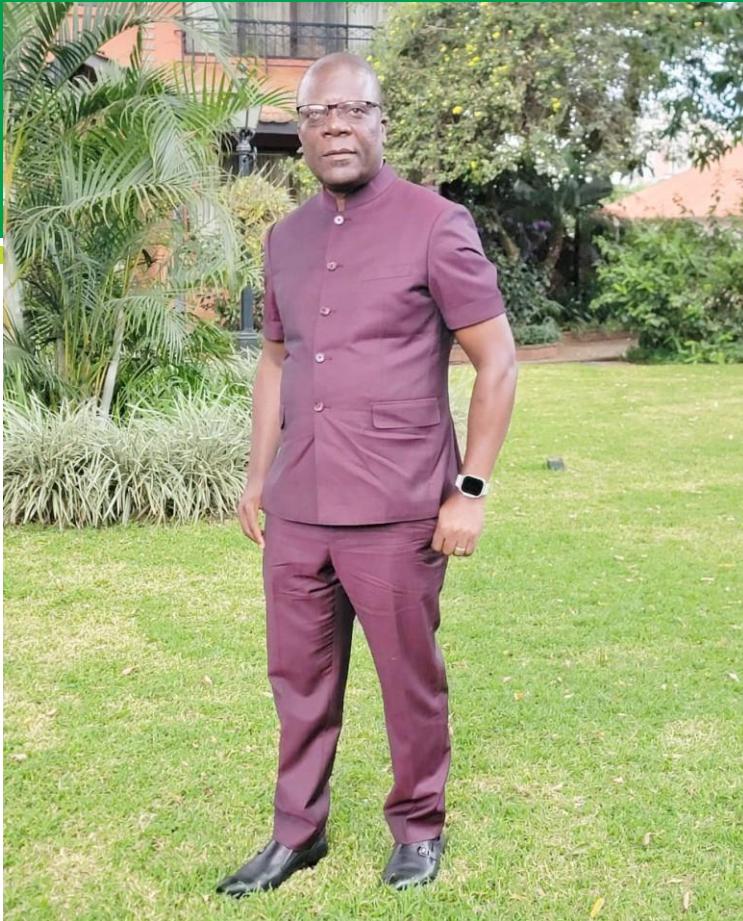


admissions@zut.edu.zm or mngandu@zut.edu.zm



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Executive FOREWORD



Mr. Stein Mbandawire

Chief Executive Officer

expanded eduroam deployments, affordable student connectivity initiatives and pilot projects in Artificial Intelligence in Education. These engagements reaffirmed the strong alignment between ZAMREN's mission and Zambia's national digital transformation agenda.

2025 ZAMREN Week, hosted in Livingstone under the theme "Building a Culture of Research and Innovation for National Development," further demonstrated the power of collaboration. With over 400 local and international participants, the event provided a platform for dialogue, skills development, and innovation highlighted by the inaugural student hackathon, advanced technical training such as Campus Network Design and Operations (CENDO) and strategic conversations on the future of research networks. Beyond our borders, our participation in regional and global fora, including UbuntuNet Connect 2025 and strategic benchmarking visits, strengthened partnerships and positioned ZAMREN as an active contributor to Africa's connected future.

As you turn these pages, you will encounter stories of teamwork, innovation and shared purpose. They reflect the dedication of our Board, Management, staff, member institutions, partners, and stakeholders who continue to walk this journey with us. On behalf of the ZAMREN leadership, I extend my sincere appreciation for your continued support and collaboration. Together, we are not only connecting institutions, we are enabling knowledge, nurturing innovation and shaping a future where research and education drive sustainable national development.

EDITORIAL TEAM



ANDREW MBAZIMA



Dr. BENSON MKANDAWIRE



MUJINGA KAMOTO PHIRI

EDITORIAL COMMENT

The Editorial Team is proud to announce the publication of the second edition of the ZAMREN Connect. This edition provides a detailed report on the key activities, achievements, and engagements of the Zambia Research and Education Network (ZAMREN) from July to December 2025. It underscores ZAMREN's significant contributions to digital transformation, innovation, and collaboration within Zambia's education and research sectors. Building on the momentum established in our inaugural issue, this edition not only celebrates ZAMREN's significant milestones but also showcases the organisation's dynamic involvement in national and regional initiatives, underscoring its commitment to empowering educational institutions through technology-driven solutions and fostering a culture of research and innovation that extends beyond institutional boundaries.

The first article of the second edition starts with ZAMREN showcasing and presenting its activities at the 59th Zambia International Trade Fair. Assessors of the 2025 trade fair awarded ZAMREN the first prizes for Best Exhibit in ICT and Best Emerging SME in ICT categories.

In the second article, ZAMREN engages the Ministry of Education over its activities and innovations including COSIS, AI in education pilots with AWS, affordable internet access in student hostels, and eduroam expansion to public spaces. The Ministry expressed strong support for these initiatives.

In the third article, ZAMREN underscores eduroam as a gateway to digital libraries highlighting the role eduroam plays in providing affordable connectivity and access to digital libraries in educational institutions and public spaces like Kitwe City Square and Kitwe City Library

In the fourth article, ZAMREN hosts an array of activities within a week dubbed as 'ZAMREN Week' of 2025. This year's theme centered on building a culture of research and innovation for national development, was opened by the Minister of Tourism who praised COSIS as a homegrown solution, with over 160 institutions now connected to ZAMREN. During the ZAMREN week, the inaugural ZAMREN newsletter was also launched.

Campus network design training was the fifth article. The Campus Network Design and Operations (CENDO) training empowered ICT professionals from member institutions with skills in network design, deployment, and operations to strengthen campus connectivity.

The sixth article reveals ZAMREN's new initiative tagged 'Student hackathon'. As the first initiative, ZAMREN hosted its first Students' Hackathon with six universities competing in application development, cybersecurity, and AgriTech. Winners included University of Lusaka (cybersecurity), DMI-St. Eugene University (AgriTech), and Zambia University College of Technology (application development).

ZAMREN Awarded at the 2025 Zambia International Trade Fair

The Zambia Research and Education Network (ZAMREN) proudly participated in the 59th Zambia International Trade Fair (ZITF) held in Ndola from 2nd to 8th July 2025, under the theme “*Enhancing Business Resilience through Innovation and Trade*.” As Zambia's premier platform for showcasing business innovation and networking, the Trade Fair provided a strategic opportunity for ZAMREN to exhibit its transformative ICT services tailored to the education and research sectors.

2013
ZAMREN's participation proved to be worth the effort as the institution received two prestigious awards in recognition of its outstanding exhibition and the innovative value it continues to deliver to Zambia's academic and research landscape.

As the winner of the 2025 **1st Prize for Best Exhibit – ICT** award, ZAMREN secured first place in the Information and Communication Technology category. This award reflects the organization's ability to effectively communicate complex digital solutions in a compelling and accessible manner, while highlighting its commitment to advancing technology in the research and education ecosystem.

The second win was the 2025 **1st Prize for Best Emerging SME – ICT** and the organization was recognized as the leading Emerging Small and Medium Enterprise in the ICT sector. This award

acknowledges ZAMREN's rapid growth, impact, and innovative approach in serving over 150 research and education institutions across Zambia.

These accolades are not only a testament to ZAMREN's innovation and operational excellence but also a validation of the vital role it plays in fostering resilience and sustainability within Zambia's knowledge economy. By enabling access to high-quality digital infrastructure, ZAMREN supports the academic community in conducting advanced research, implementing e-learning platforms, and participating in global research collaborations.

ZAMREN's participation was marked by a dynamic presence in the Rex Fertig Hall exhibition area, where the organization showcased a wide range of digital services including high-speed connectivity, federated identity management, cloud computing, web hosting, and domain name services (DNS). The institution also displayed the University College Students Information System (UNICOSIS) which is a groundbreaking solution designed to digitalize student admissions, registrations, and academic processes.

The organization also received widespread interest from trade fair attendees, including government representatives, educators, students, and members of the public who visited the ZAMREN stand to learn more about its service offering and explore opportunities for collaboration.





ZAMREN

ENGAGES MINISTRY OF EDUCATION ON KEY INNOVATIONS

ZAMREN Chief Executive Officer, Mr. Stein Mkandawire, led a team from the Zambia Research and Education Network on a courtesy call to Dr. Kelvin Mambwe, Permanent Secretary – Technical Services at the Ministry of Education.

During the meeting, Mr. Mkandawire updated Dr. Mambwe on several high-impact initiatives ZAMREN is currently rolling out in partnership with institutions and global technology leaders. The ZAMREN CEO highlighted the initiatives as follows:

- **University College Students Information System (UNICOSIS)**

ZAMREN's home-grown student information system is transforming how institutions manage student data, from registration to performance tracking across multiple campuses. UNICOSIS is designed to streamline operations, enhance decision-making, and improve accountability.

- **AI in Education – Powered by AWS**

ZAMREN is working in collaboration with Amazon Web Services (AWS) to pilot Artificial Intelligence in Education at the University of Zambia (UNZA), Copperbelt University (CBU), and Zambia University College of Technology (ZUT). This proof of concept is aimed at personalizing learning, automating content

delivery, and enabling data-driven teaching and administration.

- **Affordable Internet Access for Students**

To address the digital divide in student accommodation, ZAMREN has commenced the rollout of internet access in hostels under a 50-50 cost-sharing model with institutions. This initiative will ensure that students have reliable connectivity right where they live and study.

- **eduroam Expansion – Beyond Campuses**

ZAMREN has extended eduroam, its global Wi-Fi access service, to Kitwe City Square and the Kitwe City Library, offering off-campus connectivity to students and researchers. Plans are underway to launch eduroam at Mosi- oa-Tunya Square and Harry Mwaanga Nkumbula International Airport in Livingstone, expanding secure academic roaming even further.

Dr. Mambwe commended ZAMREN for its commitment to advancing Zambia's education sector through technology. He noted the alignment between ZAMREN's projects and the Ministry's digital agenda and reaffirmed the government's support in scaling these transformative solutions.

"What ZAMREN is doing speaks to the future of education. Digital tools like UNICOSIS and eduroam are game changers, and we are committed to supporting their rollout across institutions," said Dr. Mambwe.

The engagement served as a strategic spotlight on ZAMREN's latest innovations aimed at accelerating digital transformation in Zambia's education and research ecosystem.

ZAMREN SHOWCASES EDUROAM AS A GATEWAY TO DIGITAL LIBRARIES AT THE 52ND LIAZ ANNUAL GENERAL CONFERENCE



The Zambia Research and Education Network (ZAMREN) participated in the 52nd Annual General Conference of the Library and Information Association of Zambia (LIAZ), held in Livingstone under the theme "**Building Resilient Information Services: Innovation, Inclusion and Action in the Age of AI.**"

ZAMREN's involvement at the conference was marked by a compelling presentation delivered by the institution's Marketing and Sales Officer, Mr. Bernard Nkhata, titled: *eduroam - The Gateway to Digital Libraries*.

In his presentation, Mr. Nkhata demonstrated how ZAMREN was driving innovation and access by offering a comprehensive suite of digital services that support library transformation and the broader education and research ecosystem. The Key highlights of the presentation were as follows:

- **Affordable Connectivity:** ZAMREN continues to provide cost-effective internet solutions tailored for educational and research institutions, ensuring equitable access to knowledge for

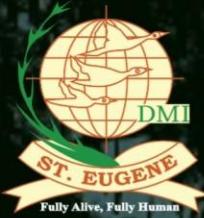
learners and researchers alike.

- **eduroam in Public Spaces:** In addition to institutional campuses, eduroam has been successfully deployed in public locations such as Kitwe City Square and the Kitwe City Library, making it easier for students, researchers, and staff to stay connected to their academic networks outside campus boundaries.
- **Cloud Services (VPS):** ZAMREN's Virtual Private Server (VPS) hosting enables libraries and institutions to securely manage and deploy digital content with reliability and scalability.
- **Reliable Colocation Services:** With 24/7 uptime and monitoring, ZAMREN's colocation infrastructure ensures that institutions have uninterrupted access to essential digital library resources and applications.
- **Learning Platforms like Moodle:** Through fully supported Moodle platforms, ZAMREN continues to enhance digital learning environments, supporting e-library access, content management, and user engagement for both students and educators.

As libraries continue to evolve into digital knowledge hubs, ZAMREN reaffirmed its commitment to empowering academic institutions and public libraries through scalable, secure, and inclusive digital infrastructure. The presentation highlighted how eduroam (education roaming), ZAMREN's flagship wireless access service, is redefining access to digital content and e-resources across Zambia.

As Zambia continues to position itself within the knowledge economy, ZAMREN remains at the forefront of digital library solutions bridging the gap between information, innovation, and inclusive access.





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- ✓ Scholarship on Different Criteria to support Students of All Needs.
- ✓ Education with Discipline & Professionalism.

PROGRAMMES OFFERED

DIPLOMA PROGRAMMES - 3 YEARS

- › Diploma in Computer Science
- › Diploma in Social Work
- › Diploma in Accounts and Finance
- › Diploma in Business Administration
- › Diploma in Registered Nursing
- › Diploma in Clinical Medical Sciences – General
- › Diploma in Environmental Health Sciences
- › Diploma in Physiotherapy
- › Diploma in Food and Nutrition
- › Diploma in Primary Education

MASTERS DEGREE PROGRAMMES - 2 YEARS

- › Master of Science in Computer Science
- › Master of Social work in Community Development
- › Master of Social work in Project Management, Monitoring & Evaluation
- › Master of Commerce in Accounts and Finance
- › Master of Business Administration
- › Master of Business Administration in Finance and International Business
- › Master of Business Administration in Human Resource Management
- › Master of Business Administration in Marketing and Entrepreneurship.
- › Master of Education in Educational Administration and Management
- › Master of Education (Mathematics Education)
- › Master of Education (Physics Education)
- › Master of Education (Chemistry Education)
- › Master of Education (Biology Education)
- › Master of Education (Geography Education)
- › Master of Education (Civic Education)
- › Master of Education (Primary Education)
- › Master of Arts in Linguistics
- › Postgraduate Diploma in Teaching Methodology - 1 year

DEGREE PROGRAMMES - 4 YEARS

- › Bachelor of Engineering in Computer Science - 5 Years
- › Bachelor of Science in Computer Science
- › Bachelor of Science in Business Information Systems
- › Bachelor of Science in Digital Marketing
- › Bachelor of Science in Graphics, Multimedia & Animation
- › Bachelor of Science in Hardware, Networking and Security Administration
- › Bachelor of Social Work (Generic)
- › Bachelor of Social Work in Medical & Psychiatry
- › Bachelor of Arts in Social Work and Counseling
- › Bachelor of Business Administration
- › Bachelor of Public Administration
- › Bachelor of Commerce in Accounts and Finance
- › Bachelor of Education (Earlychildhood Education)
- › Bachelor of Education in Primary Education.
- › Bachelor of Science in Secondary Education (Mathematics and Biology)
- › Bachelor of Science in Secondary Education (Biology and Chemistry)
- › Bachelor of Science in Secondary Education (Physics and Chemistry)
- › Bachelor of Education with Mathematics and Computer Science
- › Bachelor of Science in Secondary Education (ICT)
- › Bachelor of Arts in Secondary Education (History and Geography)
- › Bachelor of Arts in Secondary Education (Civic Education and Religious Education)
- › Bachelor of Arts in Secondary Education (English and Civic Education)
- › Bachelor of Education (Business studies)
- › Bachelor of Law

DOCTOR OF PHILOSOPHY (Ph.D) PROGRAMMES - 3 YEARS

- › Ph.D Programme in Computer Science
- › Ph.D Programme in Social Work
- › Ph.d in Commerce
- › Ph.D in Management Studies
- › Ph.D in Education

Admission to Diploma/Bachelor's Degree Programme:

- Secondary school or Statement with 5 O' level Credit or better and that should include Maths & English.

Admission to Master's Degree Programme:

- Bachelors degree in Relevant Discipline

Admission to Ph.D Programme:

- Masters Degree in Relevant Discipline

ADMISSION HELPLINE



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MINISTER OF TOURISM OPENS ZAMREN WEEK 2025 WITH A CALL TO HARNESS RESEARCH AND INNOVATION

The 2025 Zambia Research and Education Network (ZAMREN) Week and Annual General Meeting was officially opened on 3rd September 2025 at the Avani Victoria Falls Resort in Livingstone, with a strong call to action under the theme: ***“Building a Culture of Research and Innovation for National Development.”***

Gracing the ceremony, Minister of Tourism, Mr. Rodney Sikumba, commended ZAMREN for advancing local innovation through impactful digital solutions such as the University College Student Information System (UNICOSIS).

“COSIS is not just functional, it is homegrown. Built by Zambians, for Zambians. It shows how local innovation can solve contextual challenges,” he said.

ZAMREN Board Chairperson, Prof. Mundia Muya, reaffirmed the organization's steady growth, highlighting that over 160 learning and research institutions are now connected to the ZAMREN network. This milestone, he said, is strengthening access to knowledge and enabling more institutions to collaborate, share resources, and innovate.

Adding to the excitement of the day, was the unveiling of ZAMREN's inaugural newsletter, a new platform that will document all ZAMREN activities. This biannual newsletter aims to keep stakeholders informed and engaged in the organisation's evolving role as a driver of digital transformation in the research and education communities.

Welcoming delegates from across Africa, the USA, and the Middle

East, ZAMREN Chief Executive Officer, Mr. Stein Mkandawire, underscored the importance of collaboration in sustaining growth and innovation:

“ZAMREN Week continues to grow because our community has embraced it wholeheartedly. Every partnership we build must deliver value.”

Delivering the keynote address, Mr. Jeff Hansen, Chief Technology Officer at Alta Labs, emphasized the transformative role of connectivity and research networks in fostering sustainable innovation worldwide.

This year's ZAMREN Week attracted over 400 participants, including representatives from member institutions, researchers, policymakers, cooperating partners, and international guests. The strong turnout reflects the growing recognition of ZAMREN Week as a flagship event for advancing collaboration.





EMPOWERING INSTITUTIONS THROUGH CAMPUS NETWORK DESIGN AND OPERATIONS TRAINING AT ZAMREN WEEK 2025

The 2025 Zambia Research and Education Network (ZAMREN) Week presented the Campus Network Design and Operations (CNDO) training. CNDO training was one of the standout activities aimed at empowering institutions at the 2025 ZAMREN Week in Livingstone. It was expertly led by Mr. Dale Smith and Ms. Anna Saine from the Network Start-up Resource Center (NSRC). The Network Start-up Resource is a key partner based at the University of Oregon in the United States of America.

The training brought together ICT professionals from ZAMREN's member institutions to build practical skills in designing and managing reliable campus networks.

This CNDO programme covered best practices in network design, deployment, and operations.

Participants engaged in hands-on sessions that included scalable campus network architectures, monitoring and troubleshooting, configuration management, and operational security.

Through guided labs and real-world case studies, attendees gained skills that they can directly apply to strengthen connectivity at their respective institutions.

"The CNDO training has given us the confidence to design and operate networks that can fully support the teaching, research, and innovation needs of our campuses." One participant remarked.

With years of experience in developing technical capacity across the globe, the NSRC team delivered a programme that combined deep technical knowledge with practical application. Their facilitation

ensured that ZAMREN's engineers were exposed to world-class approaches and open-source tools for managing campus networks.

Speaking during the training, the facilitators emphasized the strategic importance of well-structured campus networks:

"Robust and scalable campus networks form the foundation of any thriving research and education community. CNDO equips engineers with the knowledge to make this a reality."

The CNDO training directly supports ZAMREN's mission to deliver secure, cost-effective connectivity and advanced ICT services to its member institutions. By investing in technical training, ZAMREN is ensuring that universities, colleges, and research centers can sustain better networks.

STUDENTS SHOWCASE INNOVATION AT ZAMREN WEEK 2025 HACKATHON



During the 2025 Zambia Research and Education Network (ZAMREN) Week and Annual General Meeting, ZAMREN hosted its inaugural Students' Hackathon. This event brought together talented students from six universities, challenging them to develop and present innovative, locally inspired solutions aimed at addressing real societal challenges.

The hackathon was a core part of ZAMREN's ongoing efforts to foster a spirit of innovation and creativity among students in Zambia.

Student teams competed across three thematic areas, each focusing on a pressing technological

need: Application Development in Judiciary Management Systems, Cybersecurity, and AgriTech Solutions. The finalists hailed from a diverse group of public and private higher education institutions, including Chalimbana University (CHAU), Mulungushi University, Zambia University College of Technology, DMI-St. Eugene University, the University of Zambia (UNZA), and the University of Lusaka. Their participation highlighted the depth of talent and innovative thinking present within Zambia's academic community, as students increasingly view technology as a catalyst for positive change.



After an intense series of presentations and pitching sessions, three institutions emerged as winners in their respective categories: the University of Lusaka excelled in Cybersecurity, DMI-St. Eugene University was recognized for their AgriTech Solutions, and Zambia University College of Technology distinguished itself in Application Development for Judiciary Management Systems. The judging panel commended all participating students for their creativity, strong teamwork, and ability to deliver

solutions with tangible real-world relevance. Following the announcement of the winners, ZAMREN Vice Board Chairperson, Prof. Pinalo Chifwanakeni, applauded the students' dedication and innovative spirit. He emphasized that the hackathon demonstrated the readiness of Zambia's next generation of innovators to tackle current challenges and drive the nation's digital transformation forward. Prof. Chifwanakeni gave a K1000 prize to all the hackathon participants. The event reinforced ZAMREN's commitment to providing platforms where young minds can experiment, learn, and flourish. By aligning their solutions with both national and global priorities, the students affirmed that Zambia's higher education sector is a vibrant source of ideas crucial for sustainable growth and development.



**OPEN FOR ENROLLMENT!! MAY INTAKE – IN SERVICE &
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1. SCHOOL OF MEDICINE

- Diploma in Clinical Medicine
- Diploma in Environmental Health
- Bachelor of Science in Environmental Health
- Bachelor of Science in Clinical Medicine
- Bachelor of Science in Medicine and Bachelor of Surgery (MBChB)
- Master of Public Health

2. SCHOOL OF PHARMACY

- Diploma in Pharmacy
- Bachelor of Pharmacy

3. SCHOOL OF EDUCATION, HUMANITIES AND SOCIAL SCIENCES

- Diploma in Early Childhood teaching
- Diploma in Primary & Secondary teaching
- Diploma in Teaching Methodology
- Diploma in Social Work
- Diploma Hospitality and Events mgt
- Bachelor of Science in ICT
- Bachelor of Science in Psychology
- Bachelor of Arts in Social Work
- Bachelor of Arts in Development Studies
- Bachelor of Arts in Public Administration
- Bachelor of Guidance and Counselling
- Bachelor of Science in Consumer Science (Home Economics)
- Master of Education Management
- Master of Education – Specializations
- Master of Social Work
- Master of Guidance and Counselling
- BSc Hospitality and Hotel Mgt
- Post graduate M&E
- Post graduate teaching methodology

4. SCHOOL OF LAW & BUSINESS STUDIES

- Bachelor of Laws (LLB)
- Bachelor in Accounting & Finance
- Bachelor in Human Resource Management
- Bachelor in Marketing
- Bachelor in Business Administration
- Bachelor in Banking & Finance
- Bachelor in Economics & Finance

5. SCHOOL OF NATURAL SCIENCES

- University entry level Natural Sciences (A- levels)
- Bachelor of Science in Chemistry
- Bachelor of Science in Fire Engineering & Rescue Management
- Bachelor of Science in Conservation Biology & Ecology
- Bachelor of Science in Molecular Biology & Genetics

6. SCHOOL OF NURSING & MIDWIFERY SCIENCES

- Diploma in Nursing
- Diploma in Public Health Nursing
- Diploma in Midwifery
- Advanced Diploma in HIV Nurse Practitioner
- Bachelor of Science in Nursing
- Bachelor of Science in Midwifery

SCAN ME



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2025 ZAMREN AWARDS GALA DINNER

The 2025 Zambia Research and Education Network (ZAMREN) Week and Annual General Meeting culminated in an elegant Awards Gala Dinner, hosted at the Avani Victoria Falls Resort in Livingstone. This memorable evening gathered delegates, partners, and stakeholders to honor exceptional achievements by ZAMREN member institutions and student hackathon teams.

The event was graced by Dr. Brilliant Habeenzu, Permanent Secretary at the Ministry of Technology and Science, who emphasized ZAMREN's crucial role in cultivating an environment where connectivity drives innovation and collaboration. Dr. Habeenzu remarked, "ZAMREN is more than connectivity; it is an ecosystem where knowledge, innovation, and collaboration thrive. We must ensure student-led innovations grow beyond prototypes into solutions that touch lives." His remarks encapsulated the spirit of the awards, highlighting

not only institutional excellence but also the creative contributions of students shaping Zambia's digital future.

ZAMREN honored its member institutions for their dependability, commitment, and significant contributions to the advancement of research and education. The following institutions received awards in their respective categories:

- Public Universities: Copperbelt University
- Private Universities: University of Lusaka
- Public Colleges of Education: Chipata College of Education
- Public Colleges: National Institute of Public Administration (NIPA)
- Public Trades Training Institutes: Lusaka Vocational & Technical College
- Colleges of Nursing: Kitwe College of Nursing & Midwifery



■ ZAMREN GALA DINNER

- Private Colleges: Baobab College
- Private Schools: Chengelo School
- Public Schools: St. Canisius Secondary School
- Anchor and Communities of Practice: Examinations Council of Zambia
- Agriculture Colleges: Zambia College of Agriculture (Monze)

The prestigious Member Institution of the Year Award was presented to Levy Mwanawasa Medical University, recognizing its exemplary collaboration with ZAMREN and commitment to utilizing connectivity for research and educational advancement.

The Awards Gala Dinner served as a fitting conclusion to a week that drew over 400 participants from Zambia and beyond, including

researchers, policymakers, technical experts, and international partners. More than a celebration of achievements, the gala underscored ZAMREN's dedication to promoting research, innovation, and digital transformation as drivers of national development.



STRENGTHENING REGIONAL COLLABORATION AND DIGITAL TRANSFORMATION IN UGANDA



As part of its continued commitment to enhancing broad exposure, promoting digital transformation, and strengthening regional collaboration, the Zambia Research and Education Network (ZAMREN) delegation, led by Prof. Mundia Muya, Board Chairperson and Vice Chancellor of the University of Zambia, conducted a series of strategic engagements in Kampala, Uganda.

The visit included two major highlights: a high-level engagement at Makerere University and a strategic meeting at the Research and Education Network for Uganda (RENU) Secretariat.

At Makerere University, the ZAMREN Board was welcomed by Prof. Sarah Ssali, Deputy Vice Chancellor (Academic Affairs). The discussions focused on benchmarking best practices in digital transformation, the integration of artificial intelligence, and academic governance. This exchange offered valuable insights into the ways leading institutions are leveraging technology to advance teaching, research, and overall institutional efficiency.

Following the university engagement, the delegation visited the RENU Secretariat. Here, the talks centered on fostering cross-border

partnerships, capacity building, and the development of shared digital infrastructure to support the broader regional research and education community.

Both ZAMREN and RENU are active members of the UbuntuNet Alliance, which brings together National Research and Education Networks (NRENs) from across Eastern and Southern Africa.

Through these strategic engagements, ZAMREN reaffirmed its dedication to fostering collaboration, learning from regional peers, and advancing Zambia's digital academic landscape. The organization remains anchored on principles of innovation, connectivity, and shared growth to drive forward the nation's research and education sectors.



ZAMREN PARTICIPATES IN THE 18TH UBUNTUNET - CONNECT 2025 CONFERENCE IN HARARE



The Zambia Research and Education Networks for the Science and Technology, delivered Education Network (ZAMREN) joined regional peers from across Eastern and Southern Africa at the **18th UbuntuNet-Connect 2025 Conference**, held from 30–31 October 2025 at **Harare International Conference Centre (HICC)** in Zimbabwe. The event was hosted by **Zimbabwe Research and Education Network (ZIMREN)** under the theme “*Resilient and Sustainable Research* Future.” This annual flagship event brought together policymakers, researchers, technology experts, and academic leaders to deliberate on strategies for strengthening research and education connectivity across Africa.

The keynote address, underscoring the necessity for robust regional collaboration and sustainable funding initiatives. His remarks reinforced the significance of strategic partnerships in advancing the development and resilience of Regional Research and Education Networks (RRENs), critical components for fostering a digitally connected continent. The opening ceremony established a purposeful atmosphere for the proceedings. Hon. Fredrick Shava, Zimbabwe's Minister of Higher and Tertiary Education, Innovation,



In her reception address, Ms. Miriam Chahuruva, Chief Executive Officer of ZIMREN, welcomed participants and highlighted Zimbabwe's progress in promoting digital inclusion and connectivity. She emphasized initiatives supporting women in technology, such as the Women's Academy, and advocated for inclusive and transformative technological advancements throughout the education and research landscape.

Adding to the dialogue, **Prof. Quinton Kanhukamwe**, Vice Chancellor of the Harare Institute of Technology (HIT), shared insights into Zimbabwe's achievements under the **EU-funded Africa Connect3 project**. He stressed that the next phase of regional development must focus

on expanding broadband infrastructure and strengthening **cybersecurity frameworks** to safeguard research data and ensure digital trust within academic ecosystems.

Prof. Hellicy Ngambi, Chairperson of the Ubuntu Net Alliance, encouraged member National Research and Education Networks (NRENs) to enhance collaboration, energy efficiency, and data-sharing standards. She stressed that regional resilience depends not solely on robust infrastructure but also on shared knowledge and resources for collective advancement.

The keynote address by **Prof. Arthur Mutambara**, a renowned academic and technology expert, drew wide attention as he

articulated Africa's digital imperative, stating that "*Embracing AI is not optional, it is essential for Africa's survival and progress.*" His address resonated with participants and the African philosophy, reinforcing the urgency for African institutions to harness artificial intelligence and emerging technologies in advancing research and education.

A significant highlight of the 2025 conference was the official induction of the Lesotho Research and Education Network (LESREN) into the UbuntuNet Alliance. This expansion brings the total number of member National Research and Education Networks to sixteen, collectively serving over five million students across 2,500 institutions in the region.

Through its participation in the conference, ZAMREN demonstrated its ongoing dedication to regional cooperation, digital advancement, and knowledge exchange. The event offered a platform for ZAMREN to cultivate partnerships, share insights, and contribute to the development of a sustainable digital environment for Zambia and the wider research and education community in Africa.



Zambia College of Agriculture



BACKGROUND

The Zambia College of Agriculture (ZCA) Monze is a government-run institution under the Ministry of Agriculture and Cooperatives, offering a **two-year Certificate** and a **three-year Diploma in General Agriculture**. As one of the country's key training centres, ZCA Monze is dedicated to producing skilled and competent agricultural professionals through hands-on learning and industry-focused programmes.

MISSION STATEMENT

In an environment that ensures and guarantees the maximum development of student/participant potential and societal enrichment, the mission is **“to provide quality agricultural training and consultancy in order to contribute to a sustainable and viable agricultural sector”**.

Through the commercial activities and commercial farm, the College has created a competitive environment conducive to the intellectual, social and emotional development of students. The mission statement is fulfilled by a number of college objectives.

OBJECTIVES

- ❖ To provide quality practical agricultural training to clients in general agriculture
- ❖ To provide systematic and continuous in-service training aimed at improving skills, knowledge and attitude of serving officers in the agricultural sector.
- ❖ To establish and maintain a mixed farm which serves as a training laboratory to students and the farming community.
- ❖ To provide an enabling environment for staff and student welfare, development and motivation
- ❖ To initiate and maintain commercial ventures to supplement government funding
- ❖ To produce and sell quality stockfeed

1. Location

Zambia College of Agriculture – Monze is situated 6km east of Monze Town, about a kilometere off the Monze-Chivuna road. Monze town is situated 200km south of Lusaka city and some 300km before the tourist town of Livingstone.

2. College programmes

Academic Programmes Offered

Zambia College of Agriculture – Monze provides high-quality agricultural training through both full-time and distance learning modes, designed to equip students with practical skills and knowledge for the agricultural sector.

Full-Time Programmes:

- Certificate in General Agriculture (2 Years)
- Diploma in General Agriculture (3 Years)

Distance Learning Programmes:

- Diploma in General Agriculture (3 Years)
- Certificate in General Agriculture (2 Years)

ENROLMENT INFORMATION – ZAMBIA COLLEGE OF AGRICULTURE, MONZE

Full-Time Programmes

- Enrolment is conducted **once a year**.
- Application forms are available from **November** each year.
- **Acceptance letters are issued immediately** upon meeting entry requirements – enabling applicants to apply for **bursaries or sponsorships (e.g., CDF)**.

The **academic year begins in August**.

Distance Learning Programmes

- Applications are open **throughout the year**.

The **academic year starts in January**.

How to Apply

Application forms are available at the College or can be downloaded from:

www.zcamonze.edu.zm

Completed forms may be submitted **physically or electronically**.

Programmes Offered

3. Short Courses and Tailor-Made Training

In addition to its academic programmes, Zambia College of Agriculture – Monze offers a wide range of **short courses and tailor-made training programmes** designed to meet the practical needs of farmers, institutions, agribusinesses, and

community groups. These courses run for a **minimum of 1 week up to 1 month**, providing flexible, hands-on skills development across various agricultural and technical fields.

Available Short Courses:

- Beef Production
- Dairy Production
- Poultry Production
- Pig Production
- Small Ruminant Production (Goats & Sheep)
- Crop Production & Agronomy Essentials
- Farm Business Management
- Post-Harvest Handling & Storage
- Farm Structures & Maintenance
- Agricultural Extension Methods
- Basic Surveying & Land Measurement
- Greenhouse Management
- Horticulture & Vegetable Production
- Artificial Insemination (AI) Basics
- Feed Formulation & Livestock Nutrition
- Fish farming
- Solar energy installation agric application
- Irrigation
- Layers production
- Sustainable agriculture and bee keeping
- Broiler production
- Farm mechanisation

CONTACT DETAILS AND LOCATION

For further information or inquiries about admissions, programmes, or short courses, kindly contact the Principal through the details below:

Zambia College of Agriculture – Monze
P.O. Box 660053
Monze, Zambia

Call/WhatsApp:

- +260 974 105 394
- +260 972 023 825
- +260 966 162 357

Email: principal@zcamonze.edu.zm

Website: www.zcamonze.edu.zm

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